

ANNUAL REPORT
OF THE
PUBLIC WORKS DEPARTMENT



OF THE
CITY OF BOSTON
1925

No. 6355.53



1925

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Public Works Dept

ANNUAL REPORT

OF THE

PUBLIC WORKS DEPARTMENT

FOR THE

YEAR 1925



CITY OF BOSTON
PRINTING DEPARTMENT
1926

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Charles H. Hooten, San Francisco,
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ANNUAL REPORT
OF THE
PUBLIC WORKS DEPARTMENT
FOR THE
YEAR ENDING DECEMBER 31, 1925.

BOSTON, January 1, 1926.

HON. JAMES M. CURLEY,
Mayor of the City of Boston:

SIR,— In compliance with Revised Ordinances the annual report of the operations and expenses of the Public Works Department for the year ending December 31, 1925, eleven months, is respectfully submitted. The Public Works Department, created by Ordinances 1910, chapter 9, now chapter 27 of the Revised Ordinances of 1925, was formed by consolidating the Engineering, Water and Street Departments.

ORGANIZATION.

The department is composed of five main divisions, viz.:

Central Office.— The Central Office is composed of the accounting force of the entire department under the charge of the secretary and chief clerk.

Bridge and Ferry Division.— This division, under a division engineer, has the charge and care of all bridges used as highways which are in whole, or in part, under

the control of the city; the care and management of the ferries owned by the city, including boats, slips, drops, and buildings.

NOTE.—The Boston and Cambridge Division, so called, is not, strictly speaking, a division of the Public Works Department, as this work is in charge of a commission of two, one member appointed by the Mayor of Boston and the other by the Mayor of Cambridge, under the provisions of chapter 412 of the Acts of 1904; but because of the fact that the present Commissioner of Public Works is the Boston member of this commission and also because one half of the expense of this commission is defrayed by the Bridge Service, it is in this report treated as a division of this department.

Highway Division.—This division, under a division engineer, has the care of the construction, reconstruction, and maintenance of roadways and sidewalks; the care of lamps and the lighting of streets, parks and alleys.

Sewer and Sanitary Division.—This division, under a division engineer, has charge of the construction of sewers, catch-basins, and waterways; the collection and removal of ashes, garbage, and refuse; street cleaning; and the oiling and watering of streets.

Water Division.—This division, under a division engineer, has the care of water pipes, installation of meters, water service, laying and relaying of water mains, and the high pressure fire service.

GENERAL.

A loan of \$100,000 inside the debt limit was made available during the year for the reconstruction of the Massachusetts Avenue Bridge over the New York, New Haven & Hartford Railroad. A contract was made with the Boston Bridge Works, Inc., for this work, and it is expected that the work will be completed early in 1926.

Cambridge Bridge, over the Charles river, between Boston and Cambridge, was cleaned and painted under contract.

Extensive repairs were made to the fender piers and piling of Chelsea Bridge North.

The fender piers of Summer Street Bridge over Fort Point channel have been repaired, and the piers, plat-

forms and fender guards at Warren Bridge over the Charles river have been overhauled and repaired.

Two ferryboats are to be built, which will be in service before the end of the year 1926, a contract having been made with the Bethlehem Shipbuilding Corporation, Ltd., for their construction.

The second pair of drops at the South Ferry, work on which was started last year, have been completed. Work has been started on a contract for a new drop on the Boston side of the North Ferry.

Minor repairs have been made on the drops and piers and also on all of the ferryboats.

The substitution of incinerators in different sections of the city as the only sanitary method of the disposal of rubbish and garbage has been seriously considered without any definite plans being formulated, but the introduction of incinerators is inevitable, in our opinion.

The equipment of the Sanitary Service has been substantially improved by the addition of two Kinney Springfield pick-up sweepers, two $1\frac{1}{4}$ -ton trucks with power hoists, one 5-ton Atia ash and garbage truck, six Heil special dumping bodies with 9 cubic yards capacity, six dump trailers of $3\frac{1}{2}$ cubic yards capacity with horse equipment and necessary trailing poles for hooking up to trucks, and three Reo speed wagons.

The garbage stations at Fort Hill wharf, Albany street and South street have been repaired, and a bulk-head built at the Albany street station.

Among the most important sewerage works built during the year were the Oswego street overflow; Sumner brook, from Neponset avenue to River street, Hyde Park; Tremont street, Church street to Broadway and from Arlington street to Stuart street; Dorchester Brook sewer, and Western avenue, from North Harvard street to the Charles river.

Four Reo speed wagons have been added to the motor equipment of the Sewer Service.

An appropriation of \$200,000, from taxes, for reconstructing and repairing streets by contract and \$500,000, from loan, for permanent street pavement, was made available during the year. This amount was \$300,000 less than the sum made available for a number of years past and entirely inadequate for the amount of work which should be done. With this reduced appropriation a number of the heavily traveled streets in the

business section and some of the main arteries in the outlying sections were resurfaced with permanent pavement.

A contract for the paving of Cambridge and Court streets, with new granite blocks, under the act authorizing these thoroughfares to be widened, was awarded and about 60 per cent of the work completed.

A start has been made on the widening of Tremont street, between Stuart and Arlington streets.

Morton street is to be constructed from Morton road to Canterbury street, under a contract for sewerage works and bitulithic pavement. When completed this will be a main artery from the southern section of the city to the South Shore.

A garage is being built at the Hancock street paving yard which will provide storage for the motor equipment used in the Dorchester section of the city.

Contracts have been made for the extension of the high pressure fire service. When this work is completed, which will be early next year, there will have been added 3,043 feet, making a total of 16.5 miles constructed.

A loan of \$900,000 was provided during the year for the customary main extensions and for the installation of the 48-inch low service main in Commonwealth avenue, from Massachusetts avenue to Boston Common.

The laying of a 48-inch main from Tremont street, above Arlington square, through either Arlington or Berkeley streets, Columbus avenue and Park square into Boston Common, which will replace the two existing Tremont street lines, is contemplated for next year.

The water pipes in the West Roxbury district have been cleaned under contract with the National Water Main Cleaning Company.

APPROPRIATIONS.

The money assigned for the work of the Public Works Department during the year February 1, 1925, to December 31, 1925 (11 months), was made available from the following sources:

First.—Maintenance appropriation, derived from the income of the city raised by taxation. In December, 1924, the department estimates of the money necessary for the different services were submitted to the Mayor. The estimates were made in segregated form to the

Mayor, who made such allowance for each item in the budget as he considered necessary and submitted them to the City Council. The total maintenance appropriations as passed by the City Council and approved by the Mayor are shown below. On another page will be found the total expenditures by each service for each item in the segregated budget:

Central Office	\$82,505 56
Bridge Service	419,992 76
Ferry Service	488,910 17
Lighting Service	828,083 75
Paving Service	1,367,317 83
Sanitary Service	2,728,851 72
Sewer Service	624,337 91
Water Service	1,228,758 45
Total	<u>\$7,768,758 15</u>

**Expenditures under the Maintenance Appropriation of the
From February 1, 1925,**

GROUP AND ITEM.	Central.	Bridge.	Ferry.
A. PERSONAL SERVICE:			
1. Permanent employees.....	\$75,373 02	\$293,221 11	\$280,006 43
2. Temporary employees.....		20,061 69	22,847 75
3. Unassigned.....		6,442 73	5,863 88
B. SERVICE OTHER THAN PERSONAL:			
1. Printing and binding.....	595 45		324 05
3. Advertising and posting.....			7 50
4. Transportation of persons.....	74 53	548 37	101 45
5. Cartage and freight.....		9 30	254 43
6. Hire of teams and auto trucks.....		4 00	3,202 79
8. Light, heat and power.....		8,103 99	7,284 18
10. Rent, taxes and water.....		331 89	135 50
12. Surety bond and insurance premium.....	6 00		85 00
13. Communication.....	31 91	160 39	237 89
14. Motor vehicle repairs and care.....	99 04	1,591 68	
15. Motorless vehicle repairs.....			111 50
16. Care of horses.....			
18. Cleaning.....		13 75	33 00
19. Removal of ashes, dirt and garbage.....			
20. Disposal of ashes, dirt and garbage.....			
21. Removal of snow.....			
22. Medical.....			
28. Expert.....			
35. Fees, service of venires, etc.....	15 00	59 00	
37. Photographic and blueprinting.....		10 00	
39. General plant.....	115 20	36,205 56	58,715 14
42. Repairing streets, etc.....			
C. EQUIPMENT:			
2. Machinery.....			
3. Electrical.....			
4. Motor vehicles.....	1,517 01	1,061 04	
5. Motorless vehicles.....			
6. Stable.....			
7. Furniture and fittings.....			58 67
9. Office.....	385 13		
11. Marine.....			2,341 87
13. Tools and instruments.....		1,292 04	1,764 58

Several Services by Items of the Segregated Budget.
to January 1, 1926.

Lighting.	Paving.	Sanitary.	Sewer.	Water.	Totals.
\$6,208 75	\$876,040 23	\$1,403,102 31	\$353,856 20	\$782,423 06	\$4,070,231 11
.....	7,624 04	55,761 14	3,887 08	5,425 97	115,607 67
.....	18,185 39	27,556 52	9,730 98	25,867 31	93,646 81
.....	.....	660 00	114 15	55 63	1,749 28
.....	81 35	141 00	.....	24 50	254 35
25 00	1,128 54	315 98	1,339 33	9,132 86	12,666 06
.....	12 80	20 38	7 02	48 71	352 64
.....	26,223 35	89,719 81	168 00	185 41	119,503 36
810,686 94	1,441 86	4,443 83	3,669 78	5,048 09	840,678 67
.....	2,673 00	1,525 00	836 12	627 92	6,128 43
.....	7 23	3 00	.....	61 01	162 24
.....	1,516 94	1,273 20	691 21	1,813 99	5,726 53
138 45	9,068 05	24,773 79	1,394 56	8,399 09	45,464 66
.....	289 59	33,187 95	116 27	.....	33,705 31
.....	4,536 40	7,848 00	46 96	517 65	12,949 01
.....	163 35	275 27	79,757 90	39 51	80,282 78
.....	.....	373,315 00	.....	.....	373,315 00
.....	52 00	323,465 95	86 70	126 25	323,730 90
.....	667 34	.....	.....	.....	667 34
.....	.....	16 00	82 00	.....	98 00
.....	100 00	.....	500 00	389 55	989 55
10 00	879 00	796 00	212 44	1,562 15	3,533 59
.....	41 50	.....	.....	72 00	123 50
1,143 88	6,201 99	32,679 83	14,059 24	115,256 00	264,376 84
.....	1,593 77	.....	1,513 30	62,005 23	65,112 30
.....	5,700 00	.....	.....	.....	5,700 00
.....	.....	.....	.....	317 22	317 22
92 86	44,031 15	48,004 14	12,913 71	23,483 07	131,102 98
.....	.....	10,581 00	.....	.....	10,581 00
.....	586 54	2,786 48	16 95	15 75	3,405 72
.....	46 50	154 50	.....	905 45	1,165 12
.....	.....	238 00	88 08	455 70	1,166 91
.....	.....	.....	.....	.....	2,341 87
.....	16,847 05	6,113 53	1,353 11	64,877 25	92,247 56

**Expenditures Under the Maintenance Appropriation of the
From February 1, 1925,**

GROUP AND ITEM.	Central.	Bridge.	Ferry.
C. EQUIPMENT.			
14. Live stock.....			
16. Wearing apparel.....	\$45 00		\$324 35
17. General plant.....		\$525 92	200 00
D. SUPPLIES:			
1. Office.....	2,710 50	1,767 68	1,248 31
2. Food and ice.....	50 82	91 59	80 00
3. Fuel.....		4,573 94	62,388 96
4. Forage and animal.....			
8. Laundry, cleaning, toilet.....	1 86	117 74	312 15
11. Motor vehicle.....	411 80	1,246 01	
13. Chemicals and disinfectants.....		5 75	142 45
16. General plant.....		1,792 80	2,467 39
E. MATERIALS:			
1. Building.....		541 02	224 41
2. Highway.....			
3. Bridges.....		29,478 45	
4. Ferries.....			10,921 74
5. Sewer.....			
6. Water.....			
9. Machinery.....		358 55	
10. Electrical.....		715 05	1,097 99
13. General plant.....		21 30	
F. SPECIAL ITEMS:			
2. Damages.....			
7. Pensions and annuities.....		5,127 92	8,846 76
11. Workingmen's compensation.....		425 43	610 57
Totals.....	\$81,432 27	\$415,905 69	\$472,240 69

Several Services by Items of the Segregated Budget.— Concluded.
to January 1, 1926.

Lighting.	Paving.	Sanitary.	Sewer.	Water.	Totals.
.....	.....	\$6,875 00	.....	.....	\$6,875 00
.....	\$34 90	177 70	\$460 00	\$396 07	1,438 02
\$2,037 05	768 60	10,575 44	1,775 95	137 22	16,020 18
221 77	6,379 70	3,264 59	2,470 49	8,736 62	26,799 66
.....	209 41	815 87	123 10	62 33	1,433 12
.....	10,594 53	5,380 99	63,614 71	1,537 55	148,090 68
.....	13,836 87	78,637 31	2,011 26	3,621 17	98,106 61
.....	117 84	37 11	134 54	136 19	857 43
203 64	14,913 22	13,002 39	2,287 33	8,420 26	40,484 65
.....	194 99	129 75	157 31	8 59	638 84
.....	3,668 56	1,250 83	3,635 61	4,652 27	17,467 46
.....	779 07	2,161 11	2,145 79	67 60	5,919 00
.....	180,187 50	28,802 37	.....	.....	208,989 87
.....	.....	.....	.....	.....	29,478 45
.....	.....	.....	.....	.....	10,921 74
.....	.....	.....	11,054 53	.....	11,054 53
.....	.....	.....	.....	124,187 84	124,187 84
.....	.....	.....	.....	.....	358 55
.....	141 45	151 01	407 24	895 98	3,408 72
.....	14,487 87	34,741 82	8,795 75	2,630 72	60,677 46
.....	.....	.....	.....	22,793 47	22,793 47
.....	21,290 79	18,033 50	5,512 41	17,063 24	75,874 62
.....	4,485 97	15,604 18	1,128 04	4,680 27	26,934 46
\$820,768 34	\$1,297,830 23	\$2,668,399 58	\$592,155 15	\$1,309,163 72	\$7,657,894 67

**Personnel Expenditures Under the Maintenance Appropriation of the
From January 1, 1926,**

GROUP AND ITEM.	Central.	Bridge.	Ferry.
Commissioner.....	\$8,250 00		
Division engineers.....		\$3,750 00	\$833 33
Engineers in charge.....			
Clerks and stenographers.....	56,671 80	3,281 19	1,281 13
Assistant engineers (civil).....		12,371 92	
Draughtsman.....		4,960 82	
Instrumentmen.....		5,199 32	
Rodmen.....		459 43	
Inspectors.....		1,850 19	
Foremen.....		1,980 97	
Subforemen.....		4,995 00	
Address printers.....			
Blueprinters.....	4,295 85		
Chauffeurs.....	1,525 33	5,365 72	360 00
Cement testers.....	4,630 04		
Chief inspectors.....			
Chemist and assistant.....			
Cashiers.....			1,889 53
Constables.....			
Coalpassers.....			
Captains.....			26,259 32
Drawtenders.....		203,919 46	
Deckhands.....			34,252 40
Engineers (steam).....			25,644 38
Electricians.....		1,744 60	1,744 60
Emergency men.....			
Feeders.....			
Gatemen (ferry).....			21,580 61
General foremen.....			2,804 52
Joiners.....			1,830 32
Laborers, janitors, teamsters, watchmen, stablemen, etc.....		14,399 30	23,755 69
Mechanics.....		26,043 19	25,729 48
Masons.....			
Meter readers.....			
Medical inspectors.....		91 67	91 67
Oilers and firemen.....			71,271 75
Quartermasters.....			20,383 50

Several Services by Items of the Segregated Budget.
to December 31, 1926.

Lighting.	Paving.	Sanitary.	Sewer.	Water.	Total.
					\$8,250 00
\$1,145 83	\$3,437 50	\$3,333 33	\$1,250 00	\$4,583 33	18,323 32
	750 00		1,830 08	3,208 33	5,788 41
3,412 92	27,376 48	4,429 57	5,828 20	75,896 87	178,178 16
	5,593 50		7,408 25	10,471 10	35,844 77
	1,195 08		5,266 12	3,850 00	15,272 02
	5,487 31		14,828 99	8,915 86	34,431 48
	992 07		713 31		2,164 81
1,650 00	35,851 51	128,062 51	36,477 04	54,575 21	258,466 46
	20,180 62	42,577 12	4,759 00	19,477 64	88,975 35
	32,257 39			1,619 50	38,871 89
				1,103 61	1,103 61
					4,295 85
	9,418 81	39,618 50	7,620 00	19,040 00	82,948 36
					4,630 04
	1,070 15			1,843 69	2,913 84
	550 41				550 41
					1,889 53
	1,830 32	4,391 61		5,410 89	11,632 82
			8,246 00		8,246 00
					26,259 32
					203,919 46
					34,252 40
	17,074 75		11,184 69	1,573 00	55,476 82
			3,486 15		6,975 35
				26,664 75	26,664 75
	1,358 50	11,951 00			13,309 50
					21,580 61
	2,745 00	1,693 02	2,287 90	4,575 80	14,106 24
					1,830 32
	516,943 39	1,081,614 76	114,932 91	216,733 15	1,968,379 20
	172,582 24	64,501 74	19,631 00	245,388 81	553,876 46
			14,104 00	4,004 00	18,108 00
				42,300 30	42,300 30
	366 66	1,833 31	91 67	550 00	3,024 98
	6,980 00		58,110 00	3,137 75	139,499 50
					20,383 50

**Personnel Expenditures Under the Maintenance Appropriation of
From January 1, 1926,**

GROUP AND ITEM.	Central.	Bridge.	Ferry.
Sealers			
Sewer gatemen, cleaners, etc.			
Supervisors		\$2,808 33	
Storekeepers			\$1,431 95
Stockkeepers			
Superintendent and deputy			
Telephone operators			
Tollmen			18,862 25
Veterinarian			
Wharfingers			
Weighers			
Pavers			
Yardmasters			
Yardmen			
Permanent	\$75,373 02	\$293,221 11	\$280,006 43
Temporary		20,061 69	22,847 75
Unassigned (overtime and other departments)		6,442 73	5,863 88
Totals	\$75,373 02	\$319,725 53	\$308,718 06

the Several Services by Items of the Segregated Budget.— Concluded.
to December 31, 1926.

Lighting.	Paving.	Sanitary.	Sewer.	Water.	Total.
				\$4,290 00	\$4,290 00
			\$28,526 75		28,526 75
	\$2,379 03	\$5,484 71		1,337 12	12,009 19
				1,706 02	3,138 57
		1,463 87			1,463 87
	2,287 90		3,019 84	5,645 00	10,952 74
		1,189 52		1,032 00	2,221 52
					18,862 25
	500 00	2,250 00			2,750 00
		4,028 18			4,028 18
	1,372 74	1,463 87			2,836 61
			1,573 00	4,719 00	6,292 00
		1,431 95		1,647 10	3,079 05
	5,458 87	1,783 74	2,681 30	7,122 63	17,046 54
\$6,208 75	\$876,040 23	\$1,403,102 31	\$353,856 20	\$782,423 06	\$4,070,231 11
	7,624 04	55,761 14	3,887 08	5,425 97	115,607 67
	18,185 39	27,556 52	9,730 98	25,867 31	93,646 81
\$6,208 75	\$901,849 66	\$1,486,419 97	\$367,474 26	\$813,716 34	

The expenditures under the several appropriations for the different services for the year 1925 (eleven months) were as follows

DIVISIONS AND SERVICES.	Current Expenses.	Special Appropriations.	Total Expenditures.	Balances December 31, 1925.
Central Office.....	\$81,432 27	.....	\$81,432 27	
Bridge Service.....	415,905 69	\$264,629 26	680,534 95	* \$225,712 11
Ferry Service.....	472,240 69	257,612 10	729,852 79	† 1,020,064 26
Lighting Service.....	820,768 34	.....	820,768 34	
Paving Service.....	1,297,830 23	1,492,712 52	2,790,542 75	120,344 52
Sanitary Service.....	2,668,398 58	.....	2,668,398 58	
Sewer Service.....	592,155 15	908,684 60	1,500,839 75	‡ 300,454 95
Water Service.....	1,309,163 72	672,492 32	1,981,656 04	360,724 79
Totals.....	\$7,657,894 67	\$3,596,130 80	\$11,254,025 17	\$2,027,300 63

* Includes \$80,000 authorized but not issued.

† Includes \$830,000 authorized but not issued.

‡ Includes \$100,000 authorized but not issued.

Cost of Maintenance of the Public Works Department Since 1916.

DIVISION AND SERVICES.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	Special Account 1921-22.	1922-23.	1923-24.	1924-25.	1925. (11 Mos.)
Central Office.....	\$73,905 70	\$73,074 04	\$79,909 15	\$91,373 98	\$88,308 02	\$3,072 64	\$100,457 23	\$84,717 60	\$86,511 11	\$81,432 27
Bridge Service.....	304,720 63	323,601 28	363,130 05	410,216 53	392,589 05	15,805 42	382,413 98	387,220 23	426,330 81	396,596 57
Boston and Cambridge Bridges.....	21,587 66	23,942 63	26,390 52	26,783 42	27,999 77	2,433 95	27,669 10	30,832 74	31,740 49	19,309 12
Ferry Service.....	355,480 17	393,783 69	436,687 75	574,754 54	496,836 35	21,483 21	497,091 70	498,684 78	523,527 46	472,240 69
Lighting Service.....	773,541 76	549,350 56	714,821 55	722,134 24	722,091 55	134,127 03	734,059 09	747,191 63	830,736 90	820,768 34
Paving Service.....	949,803 41	1,006,628 46	1,063,059 16	1,023,332 59	1,110,496 07	34,869 68	925,828 45	1,140,959 74	1,208,503 43	1,240,788 13
Removal of Snow.....	203,210 45	138,659 39	78,802 12	663,111 55	215,399 21	6,611 10	416,720 51	364,713 64	349,375 57	75,494 95
Sanitary Service.....	1,031,156 99	1,106,933 20	1,265,581 65	1,508,102 71	1,629,078 98	105,288 95	1,831,685 38	1,805,984 45	\$2,073,913 32	1,877,228 67
Sewer Service.....	379,483 30	452,310 71	472,713 49	616,461 55	607,043 15	25,419 60	567,758 00	605,796 63	635,928 74	592,155 15
Street Cleaning Service.....	516,475 67	556,830 98	607,992 26	700,031 01	640,179 28	23,637 66	627,203 22	607,583 55	592,645 85	719,296 18
Street Watering and Oiling Service *.....	110,488 14	137,150 39	118,014 00	186,763 20	145,454 29	491 24	122,865 88	108,842 33	79,476 90	53,420 88
Water Service.....	1,045,543 65	1,055,842 87	1,010,634 32	1,253,166 33	1,232,418 76	41,656 57	1,354,555 93	1,229,573 73	1,608,320 10	1,309,163 72
Totals.....	\$5,765,457 53	\$5,809,108 20	\$6,237,742 02	\$7,776,231 65	\$7,307,894 48	\$414,896 05	\$7,588,317 47	\$7,702,101 05	\$8,447,000 68	\$7,657,894 67

* Engineering and Water Departments were consolidated into the Public Works Department, February 1, 1911.

† Includes \$71,000 paid by Street Cleaning and Oiling Service.

‡ Includes \$62,445.71 paid by Street Cleaning and Oiling Service.

§ Includes \$142,724.96 paid by Street Cleaning and Oiling Service.

REVENUES 1925 (ELEVEN MONTHS).

On Account of the Public Works Department, Credited to General Revenue as per City Auditor's Statement.

Bridge Service:

Workingmen's compensation	\$1,005 40	
Labor and material	577 35	
Maintenance, Chelsea Bridge	7,568 50	
	<hr/>	\$9,151 25

Ferry Service:

Tolls	\$67,215 40	
Free ferries, July 4	1 00	
Telephones	109 73	
Clean booths	40 00	
Sale of junk	15 00	
Rents	768 02	
	<hr/>	68,149 15

Lighting Service:

Lighting bridges	\$1,585 31	
Damage to posts	192 00	
	<hr/>	1,777 31

Paving Service:

Assessments	\$36,340 00	
Permits	35,334 87	
Labor and material	7,829 08	
Street openings	2,250 32	
Inspectors	1,878 00	
Sale of material	2,164 12	
Sale of gasoline	9 99	
Sale of barrels	50 00	
Constructing drive	7 00	
Testing cement	36 00	
Repairing signs	9 26	
Use of roller	190 00	
	<hr/>	86,098 64

Sanitary Service:

Collection of waste	\$96,171 45	
Rents	262 88	
Sale of manure	2,280 42	
Sale of cart	30 00	
Sale of barrels	8 40	
Oiling private way	23 78	
	<hr/>	98,776 93

Street Cleaning:

Oiling private way		4 00
------------------------------	--	------

Sewer Service:

Assessments	\$77 71	
Conveying sewage	10,300 00	
Entrance fees	13,151 74	
	<hr/>	

<i>Carried forward</i>	\$23,529 45	\$263,957 28
----------------------------------	-------------	--------------

<i>Brought forward</i>	\$23,529 45	\$263,957 28
Sale of material	126 47	
Damage to auto	20 35	
Labor and material	1,136 75	
Sale of building	25 00	
Rents	110 00	
	<hr/>	24,948 02
Water Service:		
Water rates, 1925	\$2,796,546 47	
Prior to 1925	283,284 27	
Fees	5,468 94	
Off and on	907 00	
Service pipes and repairs	103,446 46	
Sale of material	8,770 11	
Damage to hydrants	1,070 03	
Relocating hydrants	675 00	
Relocating pipes	120 29	
Elevator pipes	100 00	
Abandoning pipes	263 09	
Forfeiture on bid	300 00	
Damage to truck	147 06	
Furnishing water	10 57	
Remove gate box	41 64	
Sale of gasolene	34 73	
Testing meters	258 25	
Fire pipes	23,805 96	
Interest on deposits	2,044 12	
Labor and materials	6,298 64	
Board of horse	403 50	
	<hr/>	3,233,996 13
Central Office:		
Sale of typewriter		10 00
		<hr/>
Grand total		<u>\$3,522,911 43</u>

CONTRACTS MADE BY PUBLIC WORKS DEPARTMENT FROM FEBRUARY 1, 1925, TO DECEMBER 31, 1925.

Hired Teams.

District.	Awarded to	Double, per Day.	Single, per Day.	Trucks, per Day.	Paving Service.	Sanitary Service.	Sewer Service.	Street Cleaning and Oiling Service.	Total.
1 No. 1, South Boston and Dorchester North..	T. F. Meaney.....	\$6 90	\$4 10	\$23 00	\$10,887 95	\$3,512 20	.....	.....	\$14,400 15
1 No. 2, East Boston and Breed's Island.....	E. J. McHugh & Son.....	8 00	6 00	23 00	.....	.....	.....	.....	.....
1 No. 3, Charlestown.....	Edward A. Reynolds.....	6 00	5 50	23 00	103 50	.....	.....	.....	103 50
1 No. 5, West Roxbury.....	M. McGinnis & Co.....	5 90	4 00	23 00	7,057 70	1,462 80	.....	.....	8,520 50
1 Nos. 6-9, Dorchester and Ashmont.....	Charles Loonie.....	8 00	4 00	23 00	7,982 50	.....	.....	.....	7,982 50
1 No. 7, Roxbury South and Jamaica Plain....	M. Doyle & Co., Inc.....	5 49	3 50	23 00	12 83	14,154 34	.....	.....	14,167 17
1 No. 8, South End and Roxbury North.....	M. H. Loonie Construction Company.	7 95	6 40	23 00	6,066 40	13,333 48	.....	.....	19,399 88
1 No. 10, North and West Ends and Back Bay...	B. E. Grant Company.....	7 50	6 25	23 00	1,568 75	24,314 09	.....	.....	25,882 84
1 No. 11, Hyde Park.....	Edward A. Reynolds.....	6 00	5 50	23 00	.....	.....	.....	.....	.....

¹ Advertised and awarded to the lowest bidder.

BRIDGE AND FERRY DIVISION (BRIDGE SERVICE). Bridge Work.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1925.
² Painting the draw span of Broadway Bridge.....	M. M. Devine.....	April 18, 1925.	Completed June 20, 1925....	\$3,600 00	\$3,600 00
¹ Repairing fender piers and piling, Chelsea Bridge North.	William L. Miller Company.....	June 4, 1925.	Completed Sept. 3, 1925....	19,947 00	24,636 87
¹ Cleaning and painting Cambridge Bridge, over Charles river, between Boston and Cambridge.	R. T. Green Company.....	June 25, 1925.	Completed Oct. 14, 1925....	13,875 00	13,875 00
² Relaying pavement of Prison Point Bridge, Charlestown.	C. & R. Construction Company	July 1, 1925.	Completed July 28, 1925....	3,458 63	3,458 63
¹ Rebuilding Massachusetts Avenue Bridge, over the New York, New Haven & Hartford Railroad,	Boston Bridge Works, Inc.....	July 13, 1925.	Unfinished.....	64,390 00	34,510 00
¹ Repairing piers, platforms and fender guards at Warren Bridge, over Charles river, Boston to Cambridge.	The Rendle Corporation.....	Aug. 4, 1925.	Completed Nov. 14, 1925....	14,397 50	14,496 21
¹ Repairing fender piers of Summer Street Bridge, over Fort Point Channel.	W. H. Ellis & Sons Company....	Sept. 24, 1925.	Unfinished.....	9,269 00	7,898 66
Repairing fender piers of Dover Street Draw Bridge,	Buck-MacDonald Company.....	Nov. 17, 1925.	Unfinished.....	8,300 00	
¹ Repairing draw fender pier of Chelsea Bridge North,	Roy B. Rendle & Co., Inc.....	Dec. 31, 1925.	Unfinished.....	1,555 00	
² Plans, engineering services, royalty, etc., for the design of draw span of the new Congress Street Bridge.	The Strauss Bascule Bridge Company.	Nov. 13, 1925.	Unfinished.....	10,000 00	
Amended agreement for constructing temporary Bridge, South Channel, Mystic Wharf.	Boston & Maine Railroad Company.	March 12, 1925.	All rights under this contract terminate when traffic is opened upon the permanent bridge.	4,750 00	

¹ Advertised and awarded to the lowest bidder.

² Advertised and awarded to the second lowest bidder.

BRIDGE AND FERRY DIVISION (FERRY SERVICE). Ferry Work.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1925.
1 Tanning coal to ferryboats.....	Delia Carter.....	Jan. 31, 1925.	Completed Dec. 31, 1925....	* \$0 28	\$3,146 22
2 Repairing bronze propeller blades.....	Bethlehem Shipbuilding Corporation, Ltd.	April 2, 1925.	Completed May 14, 1925....	600 00	600 00
1 Repairing hull of machinery of ferryboat "General Sumner."	R. T. Green Company.....	April 28, 1925.	Completed July 10, 1925....	9,079 00	10,795 66
1 Repairing piers at the South Ferry.....	The Rendle Corporation.....	July 9, 1925.	Unfinished.....	42,360 00	37,372 63
2 Repairing hull, etc., of ferryboat "John H. Sullivan,"	R. T. Green Company.....	Oct. 29, 1925.	Completed Oct. 30, 1925....	3,510 28	3,510 28
1 Repairs to ferryboat "Noddle Island".....	The Atlantic Works.....	Nov. 11, 1925.	Completed Dec. 4, 1925....	2,114 00	2,183 96
1 Building two steel ferryboats.....	Bethlehem Shipbuilding Corporation, Ltd.	Nov. 17, 1925.	Unfinished.....	515,930 00	
2 Repairing boilers of ferryboat "John H. Sullivan"....	Hodge Boiler Works.....	Dec. 3, 1925.	Completed Dec. 3, 1925....	15,000 00	9,456 45
2 Barriers for ferryboat.....	Boston Barrier and External Brake Company.	Dec. 10, 1925.	Unfinished.....	5,500 00	
2 Mooring hooks for ferryboats.....	J. Edward Ogden Company, Inc.,	Dec. 24, 1925.	Unfinished.....	1,761 00	1,496 85
1 Foundations for ferry bridge, North Ferry.....	W. H. Ellis & Son Company....	Dec. 29, 1925.	Unfinished.....	19,720 00	
1 Repairing hull of ferryboat "Lieutenant Flaherty,"	The Atlantic Works.....	Dec. 29, 1925.	Unfinished.....	3,388 50	
1 Electrically operated ferry bridge with gallews frame and machinery at the North Ferry.	J. Edward Ogden Company, Inc.,	Dec. 30, 1925.	Unfinished.....	132,800 00	

¹ Advertised and awarded to the lowest bidder.
* Per ton.

² Advertised and awarded to the second lowest bidder.

Contract in Force Made in Previous Years.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Bid Per Year.	Amount Expended in 1925.
1 Weighing and vending machines in ferry houses.....	Auto Sales Corporation.....	Feb. 1, 1924.	Unfinished.....	\$400 00	\$400 00

1 Advertised and awarded to the only bidder.

HIGHWAY DIVISION — LIGHTING SERVICE.

Contract in Force Made in Previous Years.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Price Per Gas Lamp Per Year.
1 Furnishing gas and for the equipment and lighting of gas lamps for a period of ten years, from April 1, 1924, to March 31, 1934, inclusive.	Boston Consolidated Gas Company.	May 20, 1924.	Unfinished.....	\$11 00

1 Advertised and awarded to the only bidder.

HIGHWAY DIVISION. Miscellaneous.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1925.
¹ Recutting, reheading and redressing old granite blocks.	William Toon.....	Feb. 17, 1925.	Completed Dec. 31, 1925..	\$20 00	\$20,721 93
¹ Removing portion of building numbered 101 to 107 Court street, Boston.	American Building Wrecking Company.	Mch. 20, 1925.	Completed June 6, 1925....	1,850 00	1,850 00
¹ Removing portion of building numbered 79 to 85 Court street, Boston.	Central Building Wrecking Company.	Mch. 20, 1925.	Completed June 6, 1925....	1,975 00	1,975 00
¹ Repairing bituminous pavement in any street upon which the maintenance guaranty has expired.	Central Construction Company,	Mch. 20, 1925.	Completed Dec. 23, 1925..	102,450 00	79,483 49
² Cutting down portion of building 309-311 Cambridge street, Boston.	New England Contracting Company.	April 9, 1925.	Completed May 9, 1925....	475 00	475 00
² Wrecking buildings, rear of 17, 19, 21 Howard street, Boston.	Central Building Wrecking Company.	April 14, 1925.	Completed May 6, 1925....	899 00	899 00
² Wrecking buildings 124-128 Cambridge street, Boston.	Central Building Wrecking Company.	May 1, 1925.	Completed May 25, 1925....	465 00	465 00
¹ Filling in Morton street, from West Selden street to Midland Division Railroad Bridge.	A. G. Tomasello & Son, Inc.....	July 7, 1925.	Completed Sept. 21, 1925..	3,055 00	3,140 50
² Wall and fence at West End Branch Library, Cambridge and Lynde streets.	Archdeacon & Sullivan.....	July 9, 1925.	Unfinished.....	5,450 00	3,915 00
² Installation of battery charging outfit for Municipal garage, 624 Albany street, Boston.	Frank Ridlon Company.....	Jan. 23, 1925.	Completed June 23, 1925..	375 00	375 00
² Removing portions of buildings, 49, 51, 55, 57 Cambridge street, Boston.	Central Building Wrecking Company.	May 28, 1925.	Completed June 28, 1925..	1 00	1 00
¹ Artificial stone walls and walk in Clermont street footway, from Burt street to Bailey street, Dorchester.	J. J. McCarthy & Co.....	July 22, 1925.	Completed Nov. 14, 1925..	5,665 00	4,815 25

	Mullall & Holmes Company...	Aug. 6, 1925.	Unfinished.....	6% of cost.	2,129 83
² Architectural services in connection with construction of garage for Public Works Department, Hancock street, Dorchester.					
¹ Removing walls and for filling in Tremont street, from Arlington street to Stuart street, city proper.	J. C. Coleman & Sons Company,	Sept. 16, 1925.	Completed Dec. 30, 1925..	5,720 00	2,405 50
¹ Erecting and completing garage, Hancock street yard, Dorchester.	J. A. Singarella.....	Sept. 24, 1925.	Unfinished.....	49,250 00	21,744 00
² Repaving over trench with wood block pavements in State street, between Washington and Devonshire streets, Boston.	B. E. Grant Company.....	Oct. 14, 1925.	Completed Oct. 23, 1925...	3,506 65	3,506 65
¹ Removing trees and stumps in Walk Hill street, from Fottler road to Wellington Hill footway, Dorchester.	M. McGinnis & Co.	Oct. 14, 1925.	Completed Oct. 21, 1925...	640 00	640 00
¹ Laying bitulithic pavement and building sewerage works in Morton street, from Morton road to Canterbury street, West Roxbury.	J. C. Coleman & Sons Company,	Oct. 19, 1925.	Unfinished.....	144,122 75	9,864 25
² Repairs to stable, Hancock street yard, Dorchester....	P. H. McCue.	Aug. 31, 1925.	Completed Aug. 31, 1925..	973 00	973 00
² Repairs to building, Dana avenue, Hyde Park.....	P. H. McCue.....	Nov. 13, 1925.	Completed Nov. 13, 1925..	443 60	443 60
² Lease of land at No. 3803 Washington street, West Roxbury.	J. J. McDonough.....	Dec. 1, 1925.	Unfinished.....	450 00	50 00
² Repaving over trench where high pressure water pipe was laid in Richmond street, from North street to Atlantic avenue, Boston.	B. E. Grant Company.....	Jan. 2, 1926.	Unfinished.....	4,700 00	
² Removing buildings at 385-387 Tremont street, Boston.	Central Building Wrecking Company.	Sept. 16, 1925.	Completed Oct. 16, 1925...	1 00	1 00
² Removing building at 341 Tremont street, Boston....	Central Building Wrecking Company.	Nov. 2, 1925.	Completed Nov. 19, 1925.	55 00†	55 00
² Demolition of building at 42 Nashua street, Boston...	City Building Wrecking Company.	Nov. 25, 1925.	Unfinished.....	100 00	

¹ Advertised and awarded to the lowest bidder.

* Per thousand.

† Per year.

² Only bid; not advertised.

‡ Paid to city.

Removing Snow and Ice.

District.	Contractor.	Dated.	Progress of Work.	Price Per Cubic Year.	Amount Expended in 1925.
District No. 1	J. A. Singarella.....	Nov. 28, 1925.	Unfinished.....	\$0 60	Nothing.
District No. 2.....	M. F. Gaddis.....	Nov. 28, 1925.	Unfinished.....	45	Nothing.
District No. 3.....	Ormae Company.....	Nov. 28, 1925.	Unfinished.....	50	Nothing.
District No. 4.....	Ormae Company.....	Nov. 28, 1925.	Unfinished.....	49	Nothing.
District No. 5.....	J. P. McCabe.....	Nov. 28, 1925.	Unfinished.....	57	Nothing.
District No. 6.....	A. G. Tomasello & Sons, Inc.....	Nov. 28, 1925.	Unfinished.....	62	Nothing.
District No. 7.....	M. F. Gaddis.....	Nov. 28, 1925.	Unfinished.....	50	Nothing.
District No. 8.....	J. C. Coleman & Sons Company.....	Nov. 28, 1925.	Unfinished.....	52	Nothing.
District No. 9.....	Standard Contracting Company.....	Nov. 28, 1925.	Unfinished.....	60	Nothing.
District No. 10.....	J. J. McCarthy & Co.....	Nov. 28, 1925.	Unfinished.....	53	Nothing.

Miscellaneous.

PUBLIC WORKS DEPARTMENT.

25

CONTRACT.	Awarded to	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1925.
⁴ Removing manure from the stables and yards in the various divisions of the department.	J. S. Smith & Co.	Jan. 31, 1925.	Completed Dec. 31, 1925 ...	* † \$3 60	
³ Furnishing combination motor street sprinkling and flushing trucks.	B. E. Grant Company	April 28, 1925.	Completed Oct. 31, 1925 ...	† 32 00	\$25,600 00
² Furnishing and operating electric sprinkler car for flushing streets.	American Car Sprinkler Company.	May 6, 1925.	Completed Sept. 30, 1925...	34 00	5,176 50
² Repairs to freight elevator, Sanitary Service, 650 Albany street.	Murray Engineering Company..	March 2, 1925	Completed March 2, 1925...	390 00	390 00
¹ Repairing garbage dumps, Fort Hill Wharf, Albany and South streets.	Buck-MacDonald Company....	July 27, 1925.	Completed Nov. 19, 1925...	12,590 00	18,501 37
¹ Removal of scow at the South street dumping station, Boston.	W. H. Ellis & Son Company	Aug. 26, 1925.	Completed Sept. 18, 1925...	1,043 00	1,013 00
¹ Bulkhead at Receiving Station, Albany Street Yard, Agreement to erect ventilating flue at the Fort Hill Receiving Station.	W. A. Norton Company	Sept. 9, 1925.	Completed Oct. 2, 1925...	2,847 00	2,902 74
² Plumbing at the Sanitary Yard, Roxbury	J. A. Gerry	Nov. 18, 1925.	Completed Nov. 18, 1925...	500 00	500 00
² Repairs to suction chamber, No. 5 engine, Calf Pasture pumping station.	Boston Engineering Company, Inc.	Dec. 7, 1925.	Unfinished.....	3,070 73	
¹ Changes in iron floor at Calf Pasture pumping station.	A. L. Smith Iron Works.....	April 3, 1925.	Completed Aug. 12, 1925...	1,815 00	1,815 00
¹ New iron cage for filth hoist, Calf Pasture	Daniel Russell Boiler Works, Inc.	May 19, 1925.	Completed Aug. 14, 1925...	725 00	725 00
² Laying service lines, Calf Pasture pumping station.	Edison Electric Illuminating Company.	May 23, 1925.	Completed May 23, 1925...	1,422 30	1,422 30
² Bed plates for pump motors, Calf Pasture pumping station.	Davis & Farnum Engineering Works, Inc.	June 13, 1925.	Completed Aug. 27, 1925...	1,826 00	1,789 00
¹ Masonry switch house, etc., for Calf Pasture pumping station.	M. S. Kelleher Company	June 25, 1925.	Completed Nov. 10, 1925...	9,107 00	6,940 80

¹ Advertised and awarded to the lowest bidder.² Only bid; not advertised.

* Paid to city.

³ Advertised and awarded to the only bidder.⁴ Advertised and awarded to the highest bidder.

† Per horse per year.

SEWER AND SANITARY DIVISION — SANITARY SERVICE.
Collecting and Removing Ashes, Store Dirt, House Dirt, Refuse and Garbage.

DISTRICT.	Awarded to	Dated.	Progress of Work.	Bid Per Month.	Amount Expended in 1925.
1 East Boston.....	E. J. McHugh & Son.....	Jan. 27, 1925.	Completed Dec. 31, 1925...	\$1,500 00	\$19,500 00
1 Brighton.....	Thomas J. McCue.....	Jan. 27, 1925.	Completed Dec. 31, 1925...	6,425 00	70,675 00
1 West Roxbury.....	John J. Moore.....	Jan. 27, 1925.	Completed Dec. 31, 1925...	2,800 00	30,800 00
1 Dorchester.....	J. C. Coleman & Sons Company.	Jan. 27, 1925.	Completed Dec. 31, 1925...	19,300 00	212,300 00
1 Hyde Park.....	M. J. Leonard.....	Feb. 4, 1925.	Completed Dec. 31, 1925...	900 00	9,900 00

¹ Advertised and awarded to the lowest bidder.

Contract in Force Made in Previous Years.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Bid Per Year.	Amount Expended in 1925.
1 Disposal of garbage and refuse for ten years, from July 1, 1922, to July 1, 1932.	Coleman Brothers, Inc.....	December 31, 1921.	Unfinished.....	\$345,000 00	\$316,250 00

¹ Advertised and awarded to the lowest bidder.

WATER DIVISION — WATER SERVICE. Laying and Relaying Water Pipes.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1925.
¹ Birch road, from Grove street to Dana road, West Roxbury.	A. Grande.....	Feb. 17, 1925.	Completed April 4, 1925.....	\$3,780 50	\$3,145 97
¹ Beech, Francis and Keith streets, Landseer terrace, Maynard street, Metropolitan avenue, Poplar street, West Roxbury Parkway, West Roxbury; Astoria and Flint streets, Dorchester; York street, Brighton.	M. DeSisto Company.....	March 27, 1925.	Completed May 22, 1925....	4,145 00	3,953 09
² Devonshire street, from Summer street to Winthrop square; Lincoln street, from Beach street to Kneeland street, city proper; A street, from Richards street to Mt. Washington avenue, South Boston; Richards street, from A street to Neponset avenue, Dorchester; and Crawford street, from Elm Hill avenue to Warren street, Roxbury.	John Guarino & Co.....	April 2, 1925.	Completed June 26, 1925....	4,427 50	3,838 34
¹ Foster, Goodnough, Kenrick and Lake streets, Rogers Park avenue, Taylor and Willoughby streets, Brighton.	J. Capone.	April 21, 1925.	Completed June 1, 1925.....	2,444 75	2,890 92
¹ Bostonia avenue, Foster street, Kirwood and Radnor roads, Brighton; Wabash street, Dorchester; Weld street, Willowdean avenue and Wren street, West Roxbury.	John Williams & Co	April 21, 1925.	Completed June 4, 1925....	3,812 50	3,733 41
¹ Alpheus road, Bates, Beech, Jeffers and Mansfield streets, and Weeks avenue, West Roxbury.	John Guarino & Co.....	May 4, 1925.	Completed May 26, 1925....	2,268 50	2,164 78
Elm road, from Caruth street to Burgoyne street; Normandy street, from Washington street to Pasadena street; Wilder road, from Normandy street to Columbia road; and Christopher street, from Dorchester avenue to Bispham street, Dorchester.	C. Russo	May 9, 1925.	Completed June 12, 1925....	4,640 25	4,705 20

¹ Advertised and awarded to the lowest bidder.

Laying and Relaying Water Pipes. — Concluded.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1925.
¹ Ashley street, from Breen street to Whitby street; St. Andrew road, from Waupello road to Teragram street; and Teragram street, from Bayswater street to St. Andrew road, East Boston; Jamaicaaway, from Huntington avenue to Craft street; and Pierson street, from Massachusetts avenue to Allerton street, Roxbury.	A. Grande.	May 9, 1925.	Completed June 16, 1925.	\$2,913 25	\$2,974 40
Neece and Binford streets, South Boston.	V. Barletta	May 25, 1925.	Completed June 5, 1925.	2,075 00	1,886 98
¹ Arborough road, Bellevue terrace, Caspar street, Glendale, Goodrich and Greter road, Hayes, Littledale and Nut streets, Parmenter road, Stratford street, West Roxbury; Ransom road, Brighton; Ruskin road, Hyde Park; and Valley road, Dorchester.	J. Williams & Co.	June 4, 1925.	Completed July 24, 1925.	8,142 50	8,534 61
Court street, city proper.	A. Grande.	July 2, 1925.	Completed July 14, 1925.	2,007 75	1,768 80
¹ Commonwealth avenue, from Massachusetts avenue to Arlington street; in the Public Garden; in and across Charles street; and in the Boston Common.	C. & R. Construction Company,	July 14, 1925.	Unfinished.	135,200 00	69,201 40
¹ Ashford, Flag and Kenrick streets, Pama Gardens, Taylor and Willoughby streets, Brighton; Cedar street, Cheswick and Tarleton roads, West Roxbury.	John Williams & Co.	July 16, 1925.	Completed Aug. 29, 1925.	4,930 00	5,336 14
¹ Riverway, Francis street, Roxbury; Harvard and Whitmore streets, city proper; Hillsboro street and Rosemont road, Dorchester.	M. D. Russo Company.	July 22, 1925.	Completed Oct. 31, 1925.	3,196 00	3,348 01
¹ Austin and West streets, Hyde Park.	C. Struzziery.	July 27, 1925.	Completed Oct. 19, 1925.	5,390 00	4,221 79
St. Andrew road, Lillian, Teragram, Nancia and Annavoy streets, East Boston.	Piatelli & Andrease.	Aug. 6, 1925.	Completed Sept. 29, 1925.	3,119 25	2,323 27
¹ North Harvard street, Brighton.	M. DeSisto Company.	Aug. 6, 1925.	Completed Sept. 3, 1925.	2,579 00	2,635 66
¹ Ambrose, Chadwick, Orchard Park, Orchard and Adams street, Roxbury.	John Williams & Co.	Aug. 6, 1925.	Completed Sept. 17, 1925.	3,106 50	3,249 83

¹ Cambridge street, between Charles street and Bowdoin square, city proper.	John Williams & Co.	Aug. 21, 1925.	Completed Dec. 11, 1925....	7,511 25	3,690 66
¹ Beluel road, Metropolitan avenue, Hyde Park; Alpheus road, Autumn and Bates streets, Graham terrace, Manning street, West Roxbury Parkway, West Roxbury; and Gerald road, Brighton.	John Williams & Co.	Sept. 1, 1925.	Completed Nov. 11, 1925....	4,095 00	3,525 20
² Colonial and Monastery roads, Brighton.....	V. Bartletta.....	Sept. 3, 1925.	Completed Nov. 2, 1925....	8,215 00	6,624 98
¹ Adelaide terrace, Cheswick road, Ponona avenue, Roseway street, Rosindale avenue, Worley street, West Roxbury; Coronado and Hopewell roads, Hyde Park.	M. DeSisto Company.....	Sept. 17, 1925.	Completed Oct. 20, 1925....	2,974 00	2,042 58
¹ Charles River Reservation in Brighton.....	John Williams & Co.	Oct. 3, 1925.	Completed Dec. 14, 1925....	3,625 00	2,553 62
Pitts street, from Green street to Merrimac street, city proper; West First street, from B street to E D street; Baxter street, from C street to E street, South Boston; and Circuit street, from Washington street to Walnut avenue, Roxbury.	V. Barletta.....	Oct. 14, 1925.	Unfinished.....	7,691 50	1,591 80
Brayton road, Brayton way and Nonantum street, Brighton; Baker and Hart streets, Hollywood road, Montclair and Willowdean avenues, West Roxbury.	N. DiBartolomeo Company.....	Nov. 11, 1925.	Unfinished.....	2,850 00	1,999 73
¹ Asheville path, Asheville road, Austin, Beech, De Forest, Goff and Hallron streets, Lodgehill road and Magee street, Hyde Park.	C. Struzziery.....	Nov. 11, 1925.	Unfinished.....	9,520 00	4,227 81
² Aviation Field, Jeffries Point, East Boston.....	John Williams & Co.	Nov. 16, 1925.	Unfinished.....	5,412 25	
⁴ Cambridge street, from Grove street to South Russell street, city proper.	C. & R. Construction Company.	Nov. 16, 1925.	Completed Nov. 20, 1925....	3,375 00	2,757 52
¹ Almont street, Dorchester.....	A. Grande.....	Nov. 17, 1925.	Unfinished.....	3,130 00	1,776 16
⁴ Tremont street, from Warrenton street to Scaver place, city proper.	V. Barletta.....	Dec. 4, 1925.	Completed Dec. 31, 1925....	2,000 00	1,545 30
² Allendale, Bellevue, Brook, Lenoxdale streets, and Wilder road, Dorchester and Mt. Pleasant street, Roxbury.	M. DeSisto Company.....	Dec. 10, 1925.	Unfinished.....	3,092 25	
¹ Hallowell street, Radcliffe and Roanoke roads, Rockdale street, Rockingham road and Savannah avenue, Dorchester and Hyde Park.	V. Barletta.....	Dec. 18, 1925.	Unfinished.....	2,165 00	

³ Invitation bids; awarded to the lowest bidder.² Advertised and awarded to the second lowest bidder.⁴ Only bid, not advertised.

Miscellaneous.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1925.
² Repairing artificial stone sidewalk blocks for Water Service.	J. J. McCarthy & Co.	March 27, 1925.	Completed Nov. 28, 1925. . .	\$4,425 00	\$2,809 58
¹ Painting the Orient Heights standpipe.	Leo Fondini.	Sept. 24, 1925.	Completed Oct. 20, 1925. . .	896 50	925 25
² Cleaning water pipes in West Roxbury.	The National Water Main Cleaning Company.	July 22, 1925.	Completed Sept. 18, 1925. . .	14,939 50	14,895 27

¹ Advertised and awarded to the lowest bidder.² Advertised and awarded to the second lowest bidder.

High Pressure Fire Service.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Contract Estimated.	Amount Expended in 1925.
¹ Summer street, from Purchase street to Dorchester avenue; Atlantic avenue, from Essex street to Summer street; Dorchester avenue, from Summer street to Congress street; Congress street, from Dorchester avenue to Gilbert place; Richmond street, from Atlantic avenue to North street; Fulton street, from Clinton street to Lewis street, and Lewis street, from Commercial street to Fulton street, city proper.	C. & R. Construction Company,	Aug. 4, 1925.	Unfinished.	\$65,146 00	\$26,531 17

¹ Advertised and awarded to the second lowest bidder.

Area of Pavements.

Area in Square Yards and Character of Pavements on Accepted Streets, January 1, 1926.

District.	Sheet Asphalt.	Asphalt Concrete.	Granite Block.	Wood Block.	Plank on Bridges.	Brick.	Concrete.	Macadam.	Gravel.	Not Graded.	Totals.
Year 1924 report.....	901,680	1,145,549	2,710,704	287,904	29,749	88,315	94,977	5,789,425	478,753	110,132	11,637,188
Per cent.....	7.75	9.84	23.29	2.47	0.26	0.76	0.82	49.75	4.11	0.95	100.00
January 1, 1926.											
City Proper.....	367,061	251,050	903,420	188,867	5,779	13,415	3,404	298,543	1,928	19,240	2,053,307
Charlestown.....	6,609	414	278,081	2,622	2,112	756	672	152,103	719	.....	444,088
East Boston.....	46,586	31,089	141,487	187	1,609	771	.....	454,942	5,511	865	683,647
South Boston.....	32,153	42,044	427,583	13,462	5,599	3,081	.....	382,794	12,987	40,103	959,806
Roxbury.....	170,883	140,254	402,498	25,286	1,022	38,249	16,124	849,209	17,675	945	1,662,145
West Roxbury.....	102,759	295,819	171,601	372	1,508	.....	27,784	1,125,931	49,251	39,155	1,814,180
Dorchester.....	112,210	277,139	279,188	44,741	5,124	24,779	18,949	1,574,338	78,969	7,019	2,422,456
Brighton.....	96,223	204,051	106,198	4,715	2,348	17	40,697	530,962	59,769	8,907	1,053,977
Hyde Park.....	14	32,381	12,672	1,683	3,368	.....	.....	339,447	213,926	9,567	613,058
Totals.....	* 934,498	† 1,275,441	† 2,722,728	281,935	28,469	81,068	\$ 107,630	|| 5,708,269	440,735	125,891	11,706,664
Per cent.....	7.98	10.90	23.36	2.41	0.24	0.69	0.69	48.76	3.77	1.07	100.00

NOTE.—In the above table the city is subdivided substantially on the boundary lines between the districts as they existed when annexed to Boston. Territory annexed from Brookline is included in city proper.

* Of this amount 470 square yards is Unionite, and 114 square yards is rubber.

† Of this amount 771 square yards is asphalt block, 141,652 square yards is asphalt concrete, 830,365 square yards is bitulithic, 959 square yards is Fibertine, 20,316 square yards is Simusco, and 281,178 square yards is T. Opeka.

‡ Of this amount 945 square yards is cobble, and 1,342,664 square yards is granite block paving on concrete base.

§ Of this amount 2,248,503 square yards is Blone Granitoid concrete blocked pavement, and 836 square yards is Solmanics.

|| Of this amount 2,248,503 square yards is bituminous macadam.

32,973 square yards public alleys included in this table.

300,134 square yards public streets in charge of Park Department included in this table.

71,314 square yards public streets in charge of Commonwealth of Massachusetts included in this table.

In addition to this table there are 6,891 square yards of accepted footways.

Length of Pavements.

Length in Miles and Character of Pavements on Accepted Streets, January 1, 1926.

District.	Street Asphalt.	Asphalt Concrete.	Granite Block.	Wood Block.	Plank on Bridges.	Brick.	Concrete.	Macadam.	Gravel.	Not Graded.	Totals.
Year 1924 report.....	51.62	54.74	103.99	12.09	1.35	4.23	5.70	347.63	31.46	2.54	615.35
Per cent.....	8.39	8.90	16.90	1.96	0.22	0.69	0.93	56.49	5.11	0.41	100.00
January 1, 1926.											
City Proper.....	21.28	11.18	37.30	7.95	0.23	0.63	0.55	17.13	0.29	0.05	96.59
Charlestown.....	0.41	0.03	12.08	0.11	0.08	0.03	0.03	10.56	0.07	.....	23.40
East Boston.....	2.07	1.08	6.58	0.01	0.10	0.04	.....	22.41	0.28	0.04	32.61
South Boston.....	2.55	2.06	17.76	0.78	0.25	0.13	.....	20.41	0.68	1.46	46.08
Roxbury.....	9.68	7.44	14.89	1.12	0.01	1.99	0.76	54.01	1.34	0.05	91.32
West Roxbury.....	6.79	15.45	3.72	0.01	0.07	.....	1.83	72.97	3.09	0.43	104.36
Dorchester.....	6.67	13.65	10.65	1.82	0.19	1.07	1.10	97.27	4.83	0.05	137.30
Brighton.....	3.78	9.66	0.92	0.11	0.13	.....	2.19	29.63	3.92	0.27	50.61
Hyde Park.....	.....	1.44	0.07	0.10	0.19	.....	.....	19.11	14.11	0.24	35.26
Totals.....	* 53.23	† 61.99	† 103.97	12.01	1.28	3.89	\$ 6.46.	|| 343.50	28.61	2.59	617.53
Per cent.....	8.62	10.04	16.84	1.94	0.21	0.63	1.05	55.02	4.63	0.42	100.00

NOTE.—In the above table the city is subdivided substantially on the boundary lines between the districts as they existed when annexed to Boston. Territory annexed from Brookline is included in city proper.

* Of this amount 0.02 mile is Unionite, and 0.00 mile is rubber.

† Of this amount 0.02 mile is asphalt block, 6.43 miles is asphalt concrete, 39.46 miles is bitulithic, 0.06 miles is Filbertine, 1.16 miles is Sinasco, and 14.86 miles is Topeka.

‡ Of this amount 0.04 mile is cobble, and 48.43 miles is granite block paving on concrete base.

§ Of this amount 0.06 mile is Blome Granitoid concrete blocked pavement, and 0.04 mile is Sollamies.

|| Of this amount 127.25 miles is bituminous macadam.

6.46 miles public alleys included in this table.

7.25 miles public streets in charge of Park Department included in this table.

2.28 miles public streets in charge of Commonwealth of Massachusetts included in this table.

In addition to this table there are 1.35 miles of accepted footways.

The following changes were made in pavement during the year:

0.12 mile or 4,005 square yards sheet asphalt changed to bitulithic.
 0.00 mile or 508 square yards sheet asphalt changed to granite block.
 0.10 mile or 2,838 square yards asphalt concrete changed to bitulithic.
 0.00 mile or 191 square yards bitulithic changed to granite block.
 0.00 mile or 1,614 square yards endurite changed to bitulithic.
 0.02 mile or 188 square yards Simasco changed to macadam.
 0.11 mile or 2,235 square yards topeka changed to bitulithic.
 0.00 mile or 21 square yards topeka changed to granite block.
 0.09 mile or 2,026 square yards granite block changed to sheet asphalt.
 0.22 mile or 6,246 square yards granite block changed to bitulithic.
 0.00 mile or 12 square yards granite block changed to wood block.
 0.00 mile or 2 square yards granite block changed to concrete.
 0.00 mile or 230 square yards granite block changed to macadam.
 0.03 mile or 4,675 square yards wood block changed to sheet asphalt.
 0.01 mile or 208 square yards wood block changed to bitulithic.
 0.04 mile or 1,152 square yards wood block changed to granite block.
 0.05 mile or 1,173 square yards plank on bridges changed to granite block.
 0.02 mile or 212 square yards plank on bridges changed to macadam.
 0.34 mile or 7,059 square yards brick changed to bitulithic.
 0.00 mile or 239 square yards brick changed to granite block.
 0.00 mile or 33 square yards concrete changed to macadam.
 1.61 miles or 30,105 square yards macadam changed to sheet asphalt.
 0.44 mile or 10,918 square yards macadam changed to asphalt concrete.
 2.03 miles or 39,698 square yards macadam changed to bitulithic.
 0.23 mile or 7,108 square yards macadam changed to granite block.
 0.00 mile or 23 square yards gravel changed to sheet asphalt.
 3.99 miles or 59,911 square yards gravel changed to bitulithic.
 0.00 mile or 63 square yards gravel changed to granite block.
 0.00 mile or 23 square yards gravel changed to plank on bridges.
 0.56 mile or 8,597 square yards gravel changed to concrete.
 0.10 mile or 1,293 square yards gravel changed to macadam.
 0.10 mile or 1,906 square yards not graded changed to bitulithic.
 0.00 mile or 7,547 square yards not graded changed to granite block.
 0.06 mile or 1,822 square yards not graded changed to concrete.
 0.00 mile or 557 square yards not graded changed to macadam.
 0.00 mile or 1,171 square yards not graded changed to gravel.

EMPLOYEES.

The following tables show the number of requisitions made on the Civil Service Commission for men; the number appointed, reinstated, died, resigned, transferred and retired; also the grade and number of employees in the department:

Requisitions made on the Civil Service Commission .	64
Number of men called	174
Number of men certified	329
Number of men appointed	216
Provisional appointments made permanent	3
Promotions allowed	32
Reinstatements allowed	*15
Number of men resigned	22

* Thirteen on eligible list January 1, 1925.

Number of men died	41
Number retired under the Veterans' Retirement Act	3
Number retired under the Boston Retirement Act	92
Number of transfers to other departments	16
Number of transfers from other departments	37

The records of the department show that there are now 3,176 persons eligible for employment in the several divisions and of that number 3,099 were upon the January, 1926 pay rolls.

Grade and Number of Employees.

TITLE.	SERVICES.									
	Central Office.	Paving.	Sewer.	Sanitary.	Street. Cleaning.	Ferry.	Bridge.	Lighting.	Water.	Total.
Commissioner	1									1
Division engineers		1	1				1		1	4
Engineers in charge		1	1						1	3
Chief clerk	1									1
Clerks	40	20	7	2	2	1	2	1	40	115
Assistant engineers (civil)		13	17				9		5	44
Draughtsmen		5	11				5		3	24
Instrumentmen		13	22				6		7	48
Rodmen		4	8				1			13
Inspectors		36	40	45	35		3	1	32	192
Foremen		11	3	9	10		1		12	46
Subforemen		17	2				3			22
Blacksmiths and assistants		8	2	18	1				5	34
Blueprinters	3									3
Chauffeurs	1	3	6	10	4		4		14	42
Carpenters and assistants		22	4	4		5	14		6	55
Chief inspectors		1			1				1	3
Cement testers and assistants	3									3
Chemist and assistants		2								2
Coal passers			5							5
Cashiers		1				1				2
Constables		1		2	1				4	8
Drawtenders and assistants							133			133
Carried forward	49	159	129	90	54	7	182	2	131	803

Grade and Number of Employees.—Continued.

TITLE.	SERVICES.									
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Lighting.	Water.	Total.
<i>Brought forward</i>	49	159	129	90	54	7	182	2	131	803
Deckhands.....						26				26
Engineers (steam).....		11	6			12			1	30
Electricians.....			2			1	1			4
Feeders.....		1		6	3					10
Firemen.....		4	15			26			1	46
Gate-men.....			4			15				19
General foremen.....		2	1		1	1			2	7
Harnessmakers and assistants.....				8						8
Head chauffeurs.....		4								4
Horseshoers.....				9						9
Janitors.....						1	1			2
Janitresses.....						7				7
Joiners.....						3				3
Laborers.....		355	103		136	11	4		184	793
Lamplighter.....						1				1
Machinist and assistants.....			5			4	1		21	31
Meter testers.....									8	8
Meter readers.....									33	33
Masons (stone and brick).....			10						2	12
Medical inspectors.....		1		1	1					3
Oilers.....			15			18				33
Pipe fitters and repairers.....						2			16	18
Pavers.....		80	1						3	84
Plumbers.....									20	20
Painters.....		3	1	9		3	3			19
Captains.....						12				12
Quartermasters.....						12				12
Repairers.....		13	1						94	108
Roofer.....						1				1
Rammers.....		10								10
Rigger.....						1				1
Sealers.....									3	3
<i>Carried forward</i>	49	643	293	123	195	164	192	2	519	2,180

Grade and Number of Employees.— Concluded.

TITLE.	SERVICES.									
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Lighting.	Water.	Total.
<i>Brought forward</i>	49	643	293	123	195	164	192	2	519	2,180
Sewer flushers.....			24							24
Supervisors and deputy.....		2		1	1		1			5
Stenographers.....		1	1					1		3
Stonecutters.....		11	2							13
Superintendents and deputy.....		1	1						2	4
Stockkeepers.....				1		1			1	3
Stablemen.....		13	3	26	21		1		1	65
Tankman.....						1				1
Teamsters and helpers.....		58	1	462	245				12	778
Telephone operators.....					1				1	2
Tollmen.....						12				12
Chief veterinarian.....		1								1
Watchmen.....		5	10	12	5		3		6	41
Weighers.....		1		1						2
Wharfingers.....		1		2						3
Wharfmen.....				4						4
Wheelwrights and assistants.....				5						5
Yardmen.....		6	2	13	2				7	30
Totals.....	49	743	337	650	470	178	197	3	549	3,176

Number of Employees Actually Employed February 1, 1925, and January 1, 1926.

	Central Office.	Bridge.	Ferry.	Lighting.	Paving.	Sanitary.	Sewer.	Street Cleaning and Watering.	Water.	Total.
February 1, 1925.....	39	191	169	3	695	623	325	446	525	3,016
January 1, 1926.....	41	193	178	3	731	628	335	447	543	3,099
<i>Total Eligible Force.</i>										
February 1, 1925.....	48	194	175	3	708	644	328	467	528	3,095
January 1, 1926.....	49	197	178	3	743	650	337	470	549	3,176

Appointments, Transfers, Resignations, Retirements, Deaths, etc., of Employees.

Died.	Retired, Act of 1922.	Retired Veterans, Act of 1911.	Transferred to Other Depart- ments.	Transferred to Other Services.	Resigned.	February 1, 1925.	SERVICES, 1924-1925.	January 1, 1926.	Transferred from other Services.	Transferred from other Depart- ments.	Reinstated.	Appointed
.....	.....	.....	2	5	.....	48	Central Office.....	*49	4	1	.....	3
3	4	2	.....	.....	.....	194	Bridge.....	197	2	1	.....	9
1	8	.....	.....	4	.....	175	Ferry.....	178	5	2	.....	9
.....	.....	.....	.....	.....	.....	3	Lighting.....	3	.....	.....	.....	.....
11	33	.....	4	15	3	708	Paving.....	743	19	9	.....	73
9	11	1	3	25	9	644	Sanitary.....	650	15	11	1	37
8	11	.....	4	14	.....	467	Street Cleaning.....	470	8	5	.....	27
5	12	.....	2	4	1	328	Sewer.....	337	5	4	1	23
4	13	.....	1	7	9	528	Water.....	549	16	4	.....	35
41	92	3	16	74	22	3,095	Totals.....	3,176	74	37	2	216

* Includes eight Central Office employees who are paid on Water Service pay roll.



PART II.

APPENDICES.

APPENDIX A.

CENTRAL OFFICE.

Appropriation	\$82,505 56
Expenditures from February 1, 1925, to December 31, 1925	81,432 27
Balance to City Treasurer	<u>\$1,073 29</u>

Expenditures.

Salary, commissioner	\$8,250 00
Salaries of clerks, stenographers, etc.	65,597 69
Automobile expenses:	
Wages of chauffeur	\$1,525 33
Bay State sedan	1,200 00
Repairs, etc.	70 70
Gasolene	391 38
Tires and tubes	194 95
Supplies	215 82
Registration	15 00
	<hr/>
	3,613 18
Printing	1,994 59
Stationery	616 21
Postage	269 50
Telephone tolls	31 91
Travel expenses	55 53
Typewriter	91 13
Calculating machine	294 00
Rent of tickometer	75 00
Inspection and repairs of typewriters, etc.	115 20
Atlases	85 00
Books, papers and office supplies	267 51
Premium on bonds	6 00
Sundries	69 82
	<hr/>
	<u>\$81,432 27</u>

APPENDIX B.

REPORT OF THE DIVISION ENGINEER OF THE
BRIDGE AND FERRY DIVISION.

BOSTON, January 1, 1926.

MR. J. A. ROURKE,
Commissioner of Public Works.

DEAR SIR,— I respectfully submit the following report of the income, expenditures and operation of the Bridge and Ferry Division for the year ending December 31, 1925. The expenditures of the division in the regular maintenance appropriations of the department were \$888,146.38. Under a number of special appropriations \$522,241.36 was expended, making the total expenditures for the year \$1,410,387.74.

Congress Street Bridge.

This bridge is in a deplorable condition and should be rebuilt as soon as funds can be appropriated. At hearings before the Waterways Division of the Public Works Department of the Commonwealth and the War Department, requests were made for a deeper and wider channel at this point at such time as reconstruction might occur and it is a condition of the license that the channel be made 75 feet wide and to provide a depth of 30 feet at mean low water.

*West Newton Street and Broadway Bridges, over New
York, New Haven & Hartford Railroad.*

Both these bridges should be rebuilt this year as serious deterioration has occurred in the frame work and the bridges are rapidly approaching a dangerous condition.

*Columbus Avenue and Shawmut Avenue Bridges, over
Boston & Albany Railroad.*

These bridges are in bad condition through deterioration of the steel work and should be rebuilt. They can

probably both go over for another year although they should not be allowed to go beyond 1927 without reconstruction.

Broadway Bridge Draw Span. Painting.

On April 18, 1925, a contract was approved with Maurice M. Devine for cleaning and painting the draw span of Broadway Bridge. The cleaning was done by hand with wire brushes. The city furnished the paint. The patch coat or priming coat put on the bare spots of metal was of red lead and the amount used was 30 gallons. The two finish coats were of blue lead and 210 gallons were used. The contract was completed June 20, 1925, and the amount of the contract for the labor of cleaning and painting was \$3,600.

Chelsea Bridge North. Repairing Draw Fender Pier.

On January 24, 1925, a contract was approved with the William L. Miller Company for the repairing of the draw fender pier of the Chelsea Bridge North, over the Mystic river. The repairs were of a minor nature embracing the replacing of broken piling, planking and waling damaged by a steamer.

The work was completed March 4, 1925, at a cost of \$2,144.69.

On May 29, 1925, a second contract was approved with the William L. Miller Company for more extensive repairs of the same nature to fender piers and pile approaches. The broken and unsound piles and bracing under the approaches to the bridge were repaired and timber work in the fender pier repaired and renewed. The area of fender piers covered by timber was greatly reduced, thereby diminishing maintenance costs for the future. This work cost \$24,636.87 and was completed September 3, 1925.

On October 17, 1924, a contract was signed with the Murray Engineering Company for cleaning with wire brushes and painting the draw span of this bridge. The patch coat was of red lead, furnished by the contractor and the amount used was 24 gallons. The paint for the two finish coats was of blue lead and was furnished by the city, about 370 gallons being used. The contract price was \$5,500 and the contract was completed July 1, 1925.

On December 28, 1925, a contract was made with Roy B. Rendle & Co. for repairing damage done to the

fender piers by a vessel passing through the draw. This repair work consisted in the replacement of broken piling, waling and cap logs. It was completed January 25, 1926, at a cost of \$1,348.81.

*Dartmouth Street Bridge over Boston & Albany Railroad.
Rebuilding.*

The work of rebuilding this bridge, of steel encased in concrete, with reinforced concrete floor and granite block paving, as described in the report for the year 1924, was completed on August 7, 1925, at a cost of \$74,595.10.

Dover Street Bridge.

On November 17, 1925, a contract was approved with the Buck-McDonald Company for repairing the fender and draw piers of this bridge. The price bid for the work was \$8,300. As it has been necessary for the Boston Elevated Railway Company and the Edison Electric Illuminating Company to rebuild parts of their structures on these piers, very little has been done on the contract. It is expected that this work will be completed early in 1926.

Massachusetts Avenue Bridge, over New York, New Haven & Hartford Railroad.

The old structure at this point was a through structure with three roadways and two sidewalks and was carried by four trusses and two guides; the flooring and wearing surface were of wood. Water pipes and gas pipes were in the middle roadway and a car track was in each side roadway, the whole arrangement forming a dangerous obstruction to the heavy traffic. The iron and steel work was badly corroded and the wooden flooring was such that it was almost impossible to keep it in good condition.

The City Council presented a petition to the Department of Public Utilities for an alteration of the bridge and as a result an order was issued by said department, March 27, 1925, providing for the rebuilding of the bridge in accordance with designs submitted by this division. When completed the new structure will be a through span steel plate girder bridge with six main girders supporting a floor system of steel beams and reinforced concrete. The roadway paving is to be

granite block and the surface of the sidewalks is to be concrete. The water pipes have been taken out of the middle roadway and placed below the abutments and railroad tracks. The gas pipes have also been moved from the middle roadway and one pipe is to be put in each sidewalk. The removal of the pipes allows the street car tracks to be placed in the middle roadway, thereby clearing each side roadway for two lines of vehicular travel and relieving completely the traffic congestion at this point.

Rivermoor Street Bridge, West Roxbury. ✓

In connection with the construction of a new street a reinforced concrete beam and slab bridge, with retaining walls on pile foundations, was built over a sluiceway from the Charles river to an ice house. The bridge was built under the supervision of this division by private parties. The bridge is to be maintained by the city as part of a public way.

Summer Street Bridge over Fort Point Channel.

This bridge was repaired along the waterway by the installation of new piling and waling. The planking on the draw pier was renewed where necessary. The platforms surrounding the drawtenders' house were rebuilt.

The work was done under a contract with W. H. Ellis & Son Company, approved July 18, 1924, and is nearly completed.

Warren Bridge.

The piers, platforms, fender guards and storehouse at Warren Bridge were repaired by the Rendle Corporation under a contract approved August 4, 1925.

The waterway was repaired with new waling and piling. The floor of the storehouse was rebuilt, the upstream and downstream fender guards rebuilt, and other repairs made. The contract cost was \$16,854.36 and the work was completed November 14, 1925.

A number of large repair jobs were done by the Day Labor Force of the Bridge Service, the most important of them being the following:

Blakemore Street Bridge (over New York, New Haven & Hartford Railroad) was in such condition that the wooden flooring had to be entirely rebuilt.

Charlestown Bridge Draw Span.— The woodwork of the two side roadways was entirely rebuilt. Some of the steel work in the flooring was painted.

Florence Street Bridge (over Stony Brook) was entirely rebuilt.

Summer Street Bridge (over Reserved Channel).— The draw span was repaired by renewing a great many of the wooden stringers and by completely replacing the upper and lower planking.

Durham Street Foot Bridge — Extensive repairs were made to the steel work of the bridge and the woodwork was completely renewed.

In connection with experiments made in previous years bituminous topping was again placed on Blake-more Street Bridge, Boylston Street Bridge, Charles-town Bridge Draw Span, Oakland Street Bridge, Summer Street Bridge over Fort Point Channel, and West Fourth Street Bridge.

FERRY SERVICE.

The following steam ferryboats are in commission:

Name.	When Built.	Type.	Length.	Gross Tonnage.
Hugh O'Brien.....	1883	Side Wheel	175 ft. 3 in.	645
Governor Russell.....	1898	Propeller	164 " 3 "	713
Noddle Island (rebuilt)...	1921	"	174 " 5 "	564
General Sumner.....	1900	"	164 " 3 "	450
John H. Sullivan.....	1912	"	172 " 3 "	527
Lieutenant Flaherty.....	1921	"	174 "	727
Ralph J. Palumbo.....	1921	"	174 "	755

"HUGH O'BRIEN."

The ferryboat "Hugh O'Brien" was hauled out of the water and the hull cleaned and painted and some of the seams calked.

"GOVERNOR RUSSELL."

The "Governor Russell" was dry docked, the guard was repaired, stern bearings repacked and the hull cleaned, painted and calked.

"NODDLE ISLAND."

Under a contract with the Atlantic Works, approved November 11, 1925, repairs were made to this boat. The boat was dry docked, the seams and joints calked, the hull cleaned and painted, both rudders lifted and adjusted, one new tailshaft installed, both stern bearings rewooded, main stuffing boxes repaired, yellow metal sheathing on the bottom repaired, five propeller blades furnished by the city attached to the hubs, horse-shoes of the thrust bearings repaired and some other minor repairs made. The amount of the contract was \$2,979.96. The work was completed December 4, 1925.

"GENERAL SUMNER."

Under a contract with the Richard T. Green Company approved April 28, 1925, repairs were made to the hull and machinery of this boat as follows:

The boat was docked, hull cleaned and painted, some

seams calked, main deck at the East Boston end rebuilt, a new main beam furnished and placed at the East Boston end, main engines and steering engines repaired, two stern bearings rewooded, six propeller blades replaced, new foundations made for the steering engines, guard iron fastenings welded and butts of guard irons welded and some other minor repairs made. The contract amounted to \$10,796.60 and work was completed July 10, 1925.

“JOHN H. SULLIVAN.”

Under a contract with the Richard T. Green Company repairs were made to the hull of this boat. The boat was docked, hull cleaned and painted, some repairs made to the guards, all the zincs renewed and some other minor repairs made. The amount of the contract was \$3,510.28. Work was completed October 30, 1925.

Under a contract with the Hodge Boiler Works some very extensive repairs were made to the rear ends of the boilers. On each boiler the whole combustion chamber was renewed and the lower part of the back head, including stay bolts, rods, braces, etc. Considerable superstructure work had to be removed and replaced in order to do the work. The work was completed December 3, 1925, and the amount of the contract was \$9,456.45.

The condenser of the boat was retubed during the past year.

“LIEUTENANT FLAHERTY.”

Under a contract with the Atlantic Works, approved December 29, 1925, the boat is to be dry docked, the hull cleaned and painted, defective rivets are to be replaced, calked or welded, seams are to be calked or welded, new zincs are to be furnished and placed, foundations are to be built for one new water service pump and one new feed pump, main stuffing boxes are to be repacked and minor repairs made. The amount of the contract on bid prices is \$3,388.50.

A contract was approved with the Bethlehem Shipbuilding Corporation on April 2, 1925, for repairing four bronze propeller blades by recasting the blades, furnishing such additional materials as necessary. The contract was completed May 14, 1925, at a price of \$150 per blade, or a total cost of \$600.

BUILDING TWO NEW STEEL FERRYBOATS.

A contract was approved November 17, 1925, with the Bethlehem Shipbuilding Corporation for building two new steel ferryboats on plans and specifications made by this division, at a bid price of \$257,975 per boat. The material has been ordered for the boats and a great deal of the engineering and detail drafting in connection with the construction has been completed.

Each boat is to be a steel, double ended ferryboat, with four driveways for vehicles and two cabins for passengers on the main deck. Each boat is to be propelled by two screw propellers, one at either end, turned by two steam compound engines. Each boat is to be 174 feet 4 inches long with a breadth over guards of 57 feet. The hulls are to be built to classification +A1 E, Ferry Service, of the American Bureau of Shipping.

On each boat is to be installed for additional fire protection on the waterfront in case of a big conflagration, a 1,500 centrifugal fire pump, turbine driven. There are to be two 1 $\frac{3}{4}$ -inch turret nozzles with 3 $\frac{1}{2}$ -inch fire plug on the upper deck. The boats are to be completed October 1 and November 1, 1926, respectively.

BARRIERS FOR NEW FERRYBOATS.

A contract was approved December 10, 1925, with the Boston Barrier and External Brake Company for four gates for the two new boats. The amount of the contract was \$5,500. The barriers are to be essentially of chains or cables hung on gates, the chains being attached to plungers acting on springs housed on steel posts. Work on these barriers is now in progress and will be completed early in the spring.

MOORING HOOKS FOR FERRYBOATS.

A contract was approved December 4, 1925, with the J. Edward Ogden Company in amount of \$1,761 for eight mooring hooks of a pad type, of chrome steel with bases of cast steel similar to those on the ferryboat "Palumbo," for use in mooring the new boats to the new type of ferry bridge. Work on these hooks is in progress and will be completed in the spring.

ELECTRICALLY OPERATED FERRY BRIDGE.

A contract was approved December 30, 1925, with the J. Edward Ogden Company for electrically operated

ferry bridge with gallows frames and machinery at the North Ferry, Boston, in amount of \$132,800. The date of completion is October 4, 1926.

This ferry bridge is to be essentially the same as those at the South Ferry, which have given satisfaction. The old ferry bridge that it is to replace is in dangerous condition, together with the pontoon which supports it.

PILE AND CONCRETE FOUNDATIONS FOR NEW FERRY BRIDGE.

A contract was approved December 29, 1925, with W. H. Ellis & Son Company, in amount of \$19,720, for pile and concrete foundations for the new ferry bridge at the North Ferry, Boston. The work is to be completed May 1, 1926.

SOUTH FERRY PIERS.

On July 9, 1925, a contract was approved with the Rendle Corporation for the repairing of the piers at the South Ferry.

The northerly and southerly piers on the East Boston side were entirely rebuilt, the middle pier repaired and braced. The northerly pier on the Boston side is being entirely rebuilt and the pile heads on both middle and southerly piers repaired. New oak piles and new oak girders have been used in this work.

This contract is about 80 per cent completed and will be finished early in 1926. The contract price for the work is \$42,360.

GARBAGE DUMPS.

A contract was approved on July 27, 1925, with the Buck-McDonald Company for repairs to the Fort Hill, Albany street and South street dumping platforms. The platforms which were in a very weakened condition were strengthened by splicing and bracing the supporting piles and posts. New decking and sheathing was laid where necessary. The faces of the waterways were repaired with waling strips; spur shores were refitted and other minor repairs made. The work was completed November 19, 1925, at a cost of \$18,501.37.

At the Albany street dumping station, adjacent to the Municipal Garage, an abandoned dock was filled in with city refuse to provide additional yard room for the Public Works Department. To prevent this filling

from sliding into the dock now in use immediately in front of this reclaimed area, it was necessary to build a wooden bulkhead connecting the side walls of the dock. The contract for this work was awarded to the W. A. Norton Company, approved September 9 and was completed October 2, at a cost to the city of \$2,902.74. This work was done under the direction of the Bridge and Ferry Division.

SOUTH STREET GARBAGE DUMP.

Removal of Scow.

On August 26, 1925, a contract was approved with W. H. Ellis & Son Company for the partial removal of an old dumping scow which was leaning against the pile foundations of the dumping platform and endangering the safety of the building.

This work was done under the direction of this division for the Sewer and Sanitary Division and was completed September 18, 1925, at a cost of \$1,045.

GRANITE AVENUE BRIDGE.

Some of the work done on the bridge this year consisted in patching the upper plank of the roadway and the sidewalk plank; placing new bearings on both motors; making sundry electrical repairs and adding about four tons to the counterweight.

Yours respectfully,

JOHN E. CARTY,
Division Engineer.

BRIDGE SERVICE.

FINANCIAL STATEMENT, 1925.

Expenditures from Maintenance Appropriation.

Boston bridges	\$396,596 57	
Boston and Cambridge bridges	19,309 12	
	<hr/>	<u>\$415,905 69</u>

Total Expenditures.

From maintenance appropriation	\$415,905 69	
From special appropriations	262,121 50	
	<hr/>	<u>\$678,027 19</u>

EXPENDITURES ON BOSTON BRIDGES.

(1.) Administration:

Salaries:

Division engineer	\$3,750 00
Supervisor	2,808 33
Engineers and draughts-	
men	23,164 96
Foreman	1,980 97
Clerk	1,921 45
Inspectors	1,850 19
Medical inspector	91 67

Pensions:

Veterans	4,862 92
Laborers	265 00
Vacations	1,932 70
Holiday time	3,853 70
Pay to injured employees	425 43
Printing, postage and	
stationery	1,689 19
Traveling expense	218 77
Telephone	31 41
Engineers' supplies and in-	
struments	96 81
Typewriter inspection	33 00
Office repairs and supplies	28 15
Blueprinting machine (part)	131 67

\$49,136 32

(2.) Yard and Stockroom:

Yard:

Clerk, janitor and watchmen	\$3,617 69
Traveling expense	289 10
Tools, new	1,265 37
Tools, repairs	660 42
Telephone	108 53
Towels and furnishings	13 75
Supplies	270 81
Repairs at yard	5,525 36

 \$11,751 03

Stockroom:

Stock purchased during year	\$11,352 39
Stock used during year	9,167 95

Increase in stock	2,184 44
Gasolene in stock	75 81

\$14,011 28

Automobiles.

	Truck, B-1.	Truck, B-2.	Foreman, B-3.	Supervisor, B-4.	Division Engineer, B-5.	Total.
Wages, chauffeur.....				\$1,431 43	\$1,041 43	\$2,472 86
Repairs.....	\$167 42	\$127 88	\$318 44	293 49	563 25	1,470 48
Supplies.....	15 72	48 10	24 03	22 92	47 90	158 67
Oil and gasoline.....	245 96	249 35	168 05	164 21	264 72	1,092 29
New tires and tubes.....	233 10	159 04	133 93	133 93	275 88	935 88
Repairs, tires and tubes....	20 25	19 75	64 50	13 75	39 75	158 00
Registration.....	2 00	2 00	10 00	10 00	15 00	39 00
Totals.....	\$684 45	\$606 12	\$718 95	\$2,069 73	\$2,247 93	\$6,327 18

BRIDGES.

Expenditures on Tide Water Bridges.

BRIDGES.	Draw- tenders' Salaries.	Mechanics' Wages.	Material.	Repair Bills.	Supplies.	Total.
Broadway.....	\$14,073 06	\$3,258 91	\$1,605 76	\$1,249 64	\$822 41	\$21,009 78
Charlestown.....	19,248 71	6,484 24	1,721 08	2,200 73	1,624 04	31,279 52
Chelsea North.....	15,963 97	2,688 34	229 67	7,003 49	1,302 73	27,188 20
Chelsea South.....	16,119 60	928 95	136 95	3,411 81	1,292 79	21,890 10
Chelsea Street.....	14,254 15	546 78	49 04	1,100 14	597 11	16,547 22
Congress Street.....	14,826 93	1,871 20	877 89	502 78	1,826 19	19,904 99
Dorchester Avenue.....	14,041 33	689 10	.....	894 29	465 70	16,090 42
Dover Street.....	13,949 02	2,489 70	449 96	333 93	1,322 58	18,545 19
* L Street.....	14,189 74	4,037 55	2,972 96	983 74	766 31	22,950 30
Malden.....	14,577 40	2,079 85	1,417 60	1,323 79	581 00	19,979 64
Meridian Street.....	14,544 54	1,673 80	211 51	1,334 35	705 99	18,417 19
Northern Avenue.....	16,049 80	1,772 52	1,200 35	2,713 64	4,756 24	26,492 55
Summer Street.....	14,434 67	1,393 65	79 04	802 52	455 57	17,165 46
Warren.....	14,510 85	1,912 00	2,465 33	1,612 48	2,497 73	22,998 39
Totals.....	\$210,783 77	\$31,826 59	\$13,417 86	\$25,467 34	\$19,016 39	\$300,511 95

* Now Summer Street over Reserved channel.

Repairs on Inland Bridges.

BRIDGE.	Labor and Materials.
Albany Street (over Boston & Albany Railroad).....	\$732 59
Austin Street.....	1,940 49
Arlington Street.....	207 32
Beacon Street (over Boston & Albany Railroad)	21 10
Berkeley Street.....	248 54
Blakemore Street.....	1,689 53
Boston Street (over Railroad).....	562 40
Bennington Street.....	27 50
Boylston Street (over Boston & Albany Railroad).....	1,124 19
Braddock Park.....	2 00
Broadway (over Boston & Albany Railroad).....	153 96
Broadway (over Foundry Street).....	2 10
Broadway (over Lehigh Street).....	2 10
Chelsea Street (over Boston & Maine Railroad)....	80 27
Columbia Road (over Old Colony Division).....	38 45
Columbus Avenue.....	988 18
Commercial Point.....	102 38
Dartmouth Street.....	300 00
Dorchester Avenue (over New York, New Haven & Hartford Railroad)...	37 50
Durham Street.....	1,203 03
Everett Street.....	27 00
Fairmount Avenue.....	1,877 76
Florence Street.....	616 81
Gainsborough Street.....	40 21
Gove Street (Foot).....	1,190 07
Glenwood Avenue (over Neponset River).....	72 58
Huntington Avenue.....	168 08
Irvington Street.....	2 00
Jones Avenue (Foot).....	154 72
Massachusetts Avenue (over New York, New Haven & Hartford Railroad),	2,399 45
Massachusetts Avenue (over Boston & Albany Railroad).....	43 96
Norfolk Street.....	72 52
New Allen Street.....	139 55
Oakland Street.....	54 00
Paul's Bridge, Hyde Park.....	514 70
Perkins Street (Foot).....	11 00
Peabody Square.....	65 00

Repairs on Inland Bridges.—Concluded.

BRIDGE.	Labor and Materials.
Southampton Street.....	74 55
Summer Street (over A Street).....	9 60
Summer Street (over B Street).....	2 00
Summer Street (over C Street).....	2 00
Spring Street.....	237 40
Toll Gate Way (Foot).....	2,560 42
West Fourth Street.....	1,244 43
West Newton Street.....	2,159 24
Winthrop.....	82 16
Cleaning Bridges.....	3,325 00
Totals.....	\$26,609 84

SUMMARY OF EXPENDITURES.

Administration	\$49,136 32
Yard and stockroom	14,011 28
Automobiles and trucks	6,327 18
Tide water bridges	300,511 95
Inland bridges	26,609 84
Total	<u>\$396,596 57</u>

SPECIAL APPROPRIATIONS.

BRIDGES, REPAIRS, ETC.

BROADWAY BRIDGE.

Maurice M. Devine	\$3,600 00
The Pierce Company, Inc.	1,649 20
Advertising	150 30
Analysis	10 00
	<u>\$5,409 50</u>

CHARLESTOWN BRIDGE.

Lumber and material	\$9,114 50
Repair bills	5,230 34
Transit Department pay roll	15 20
	<u>14,360 04</u>

CHELSEA BRIDGE NORTH.

Salaries of engineers	\$1,099 00
William L. Miller Company	27,144 41
Murray Engineering Company	3,162 50
Lumber and material	784 78
Repairs	1,487 89
Advertising	43 70
Travelling expense	28 30
Special lanterns	360 00
	<u>34,110 58</u>

Carried forward \$53,880 12

<i>Brought forward</i>		\$53,880 12	
CHELSEA STREET BRIDGE.			
Rendle Stoddard Constiuction Company		700 28	
NORTHERN AVENUE BRIDGE.			
W. H. Ellis & Son Company		\$996 51	
Repairs		1,258 13	
		<hr/>	2,254 64
SUMMER STREET OVER FORT POINT CHANNEL.			
Salaries of engineers		\$333 33	
Lumber and material		1,044 98	
W. H. Ellis & Son Company		7,898 66	
Repairs		315 00	
Advertising		8 00	
		<hr/>	9,599 97
SUMMER STREET OVER RESERVED CHANNEL.			
Salaries of engineers		\$166 67	
Repairs		340 44	
Advertising		2 25	
		<hr/>	509 36
WARREN BRIDGE.			
Salaries of engineers		\$970 88	
Mechanics wages		154 00	
Transit Department pay roll		92 00	
The Rendle Corporation		14,496 21	
Advertising		8 50	
Travelling expense		15 25	
Repairs		5 55	
		<hr/>	15,742 39
ARLINGTON STREET BRIDGE.			
Bituminous surface		181 75	
B STREET BRIDGE, HYDE PARK.			
Repairs		625 00	
BLUE HILL AVENUE BRIDGE.			
Bituminous surface		692 50	
BOYLSTON STREET BRIDGE.			
Bituminous surface		414 50	
COLUMBIA ROAD BRIDGE.			
Bituminous surface		287 60	
COLUMBUS AVENUE BRIDGE.			
Transit Department pay roll		\$93 60	
Flagman services		80 00	
Repairs		12 76	
		<hr/>	186 36
CONGRESS STREET BRIDGE.			
Transit Department pay roll		\$55 20	
Material		76 20	
Repairs		669 36	
		<hr/>	800 76
<i>Carried forward</i>			\$85,875 23

Brought forward \$85,875 23

DORCHESTER AVENUE BRIDGE.

C. & R. Construction Company	\$1,600 88	
Repairs	672 87	2,273 75
	<hr/>	

DURHAM STREET BRIDGE.

Transit Department pay roll	\$332 80	
Repairs	289 19	621 99
	<hr/>	

DOVER STREET BRIDGE.

Salaries of engineers	\$306 85	
Repairs	404 47	
Advertising	8 00	719 32
	<hr/>	

FOLLEN STREET BRIDGE.

Repairs		154 15
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GAINSBOROUGH STREET BRIDGE.

Repairs		204 30
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GOVE STREET BRIDGE (FOOT).

Flagman services		192 50
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HUNTINGTON AVENUE BRIDGE.

C. & R. Construction Company	\$1,635 56	
Repairs	581 43	2,216 99
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HYDE PARK AVENUE BRIDGE, OVER STONY BROOK.

Bituminous surface		136 50
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IRVINGTON STREET BRIDGE.

Repairs		172 10
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JONES AVENUE BRIDGE (FOOT).

Repairs		252 80
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MASSACHUSETTS AVENUE BRIDGE, OVER NEW YORK, NEW
HAVEN & HARTFORD RAILROAD.

Repairs		20 00
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MERIDIAN STREET BRIDGE.

Repairs		11 00
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NORFOLK STREET BRIDGE.

Bituminous surface		363 50
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OAKLAND STREET BRIDGE.

Bituminous surface		292 75
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PRISON POINT BRIDGE, AUSTIN STREET.

Repairs, paving		3,458 65
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<i>Carried forward</i>		<hr/> \$96,965 53
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<i>Brought forward</i>	\$96,965 53
TOLL GATE WAY (FOOT BRIDGE).	
Repairs	284 20
WEST FOURTH STREET BRIDGE.	
Lumber and material	\$1,236 60
Bituminous surface	1,085 00
	<u>2,321 60</u>
WEST NEWTON STREET BRIDGE.	
Lumber and material	\$1,331 87
Flagman services	86 52
Bituminous surface	222 00
	<u>1,640 39</u>
Totals	<u>\$101,211 72</u>
CHELSEA BRIDGE SOUTH.	
Holbrook, Cabot & Rollins Corporation	\$5,500 00
Boston & Maine Railroad	4,750 00
Photographs	100 00
	<u>\$10,350 00</u>
CONGRESS STREET BRIDGE, PLANS, ETC.	
Engineers' supplies	<u>\$72 13</u>
DARTMOUTH STREET BRIDGE.	
Salaries of engineers	\$6,182 79
New England Foundation Company	4,079 05
C. & R. Construction Company	74,595 10
Western Union Telegraph Company	727 21
Inspection of material	94 61
Material	266 00
Photographs	20 00
Repairs	217 73
Engineers' instruments	13 80
Advertising	74 90
Traveling expenses	160 30
	<u>\$86,431 49</u>
MASSACHUSETTS AVENUE BRIDGE.	
Salaries of engineers	\$6,371 13
Boston Bridge Works, Inc.	34,510 00
Material	1,674 00
Inspection of material	83 56
Engineers' supplies	28 42
Advertising	11 00
Traveling expense	19 50
	<u>\$42,697 81</u>
TREMONT STREET BRIDGE.	
Test holes	\$88 65
Photographs	20 00
Office supplies	58
	<u>\$109 23</u>

Expenditures from Special Appropriations in Charge of Bridge Service.

	Balances from 1924-25.	Total Credits, Including Balances Carried Over and Transfers.	Expended During Year 1925.	Balances Unexpended December 31, 1925.
Beacon Street Bridge, rebuilding ¹	\$33,638 40	\$4,115 37	.....	\$4,115 37
Bridges, repairs, etc. ²	13,448 78	138,448 78	\$101,211 72	15,978 94
Cambridge Street Bridge, rebuilding.....	16,894 92	16,894 92	.....	16,894 92
Chelsea Bridge South ³	40,826 97	10,350 00	10,350 00	
Congress Street Bridge, plans, etc.....	23,846 91	23,846 91	72 13	23,771 78
Dartmouth Street Bridge ⁴	109,177 63	94,177 63	86,431 49	7,746 14
Massachusetts Avenue Bridge.....		100,000 00	42,697 81	57,302 19
Tremont Street Bridge.....		20,000 00	109 23	19,890 77
Totals.....	\$237,833 61	\$407,833 61	\$240,872 38	\$145,712 11

¹ \$29,523.03 transferred to East Boston Ferry Improvements, etc.² \$21,249.12 expended by Boston and Cambridge Bridge Commission.³ \$30,476.97 transferred to East Boston Ferry Improvements, etc.⁴ \$15,000 transferred to East Boston Ferry Improvements, etc.

BOSTON BRIDGES.

I. Number wholly maintained by Boston:	
In charge of Bridge and Ferry Division . . .	67
In charge of Bridge and Ferry Division and Park and Recreation Department . . .	2
In charge of Park and Recreation Department . . .	18
	— 87
II. Number of which Boston maintains the part within its limits:	
In charge of Bridge and Ferry Division . . .	6
In charge of Park and Recreation Department . . .	5
	— 11
III. Number of which Boston pays a part of the cost of maintenance:	
In charge of Bridge and Ferry Division . . .	8
In charge of Commissioners for Boston and Cambridge Bridges . . .	3
In charge of Commissioners for Granite Avenue Bridge . . .	1
	— 12
IV. Number of which Boston maintains the whole or a part of the wearing surface . . .	
	32
V. Number maintained by Metropolitan District Commission . . .	
	9
VI. Number maintained by railroad corporations:	
1. Boston & Albany Railroad . . .	4
2. Boston & Maine and Boston & Albany Railroads . . .	1
3. Boston & Maine Railroad, Eastern Division . . .	1
4. Boston, Revere Beach & Lynn Railroad . . .	1
5. New York, New Haven & Hartford Railroad, Midland Division . . .	13
6. New York, New Haven & Hartford Railroad, Old Colony Division . . .	4
7. New York, New Haven & Hartford Railroad, Providence Division . . .	16
	— 40
Total number . . .	<u>191</u>

Bridge Openings, 1925.

Buder.	STEAMERS.			SAILING VESSELS.			TUGS.			BARGES.			ALL OTHERS.			TOTAL NUMBER OF VESSELS.			Total Number of Carpoes.	Total Number of Openings.
	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.		
Broadway.....	16	23	39	83	10	93	1,334	94	1,428	317	34	351	552	11	563	2,302	172	2,474	518	989
Charlestown.....	9	1	10	36	1	37	2,561	754	3,315	403	118	521	2,253	1,067	3,320	5,262	1,941	7,203	1,864	1,679
Chelsea North.....	1,089	74	1,163	91	2	93	8,976	1,057	10,033	1,159	105	1,263	1,830	860	2,690	13,135	2,087	15,222	1,920	5,648
Chelsea South.....	35	7	42	68	1	69	4,768	220	4,988	95	1	96	2,658	119	2,777	7,624	348	7,972	1,880	2,664
Chelsea Street.....	80	40	120	.....	.....	.....	1,782	562	2,344	382	86	468	986	98	1,084	3,230	786	4,016	811	1,916
Congress Street.....	142	26	168	94	4	98	2,213	142	2,355	338	24	362	709	25	734	3,496	221	3,717	657	2,030
Dorchester Avenue.....	153	27	180	82	7	89	1,344	98	1,442	313	31	344	444	13	457	2,336	176	2,512	530	1,370
Dover Street.....	.....	.....	.....	86	6	92	1,318	72	1,390	328	24	352	553	34	587	2,285	136	2,421	503	1,162
L Street *.....	51	25	76	36	2	38	2,010	37	2,047	268	9	277	1,239	72	1,311	3,604	145	3,749	695	2,512
Malden.....	73	60	133	23	.....	23	866	56	922	252	18	270	208	50	258	1,422	184	1,606	310	986
Meridian Street.....	795	317	1,112	66	6	72	6,471	1,591	8,062	926	331	1,260	3,205	578	3,783	11,463	2,826	14,289	1,861	7,519
Northern Avenue.....	672	490	1,162	88	7	95	3,936	220	4,156	497	46	543	1,980	258	2,238	7,173	1,021	8,194	1,740	3,881
Summer Street.....	129	7	136	88	7	95	2,186	164	2,350	350	43	393	691	39	730	3,444	260	3,704	647	2,025
Warren.....	110	224	334	36	2	38	2,449	742	3,191	901	136	1,037	1,592	879	2,471	5,088	1,983	7,071	1,733	3,488
Totals.....	3,354	1,321	4,675	877	55	932	42,214	5,809	48,023	6,529	1,008	7,537	18,900	4,103	23,003	71,864	12,286	84,150	15,669	37,899

* Now Summer street over Reserved Channel.

GRANITE AVENUE BRIDGE.*

Salaries of drawtenders	\$2,270 54
Material	47 34
Repairs	144 54
Fuel	22 25
Light	10 91
Supplies	12 18
	<hr/>
	\$2,507 76

* Maintained jointly by County of Suffolk and town of Milton.

Granite Avenue Bridge Openings from February 1, 1925, to December 31, 1925.

OPENINGS.	STEAMERS.			SAILING VESSELS.			TUGS.			BARGES.			ALL OTHERS.			TOTAL NUMBER OF VESSELS.			Total Number of Cargoes.	Total Number of Openings.
	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.		
	12	3	15	194	.....	194	89	.....	89	86	26	112	381	29	410	43	271

FERRY SERVICE.

FINANCIAL STATEMENT FOR THE YEAR ENDING DECEMBER 31, 1925. (ELEVEN MONTHS.)

1. Receipts.

Total cash receipts during the year	\$68,149 15
Cash in hands of tollmen at beginning of year,	200 00
	<u>\$68,349 15</u>
Cash paid over to City Collector	\$68,149 15
Cash in hands of tollmen December 31, 1925,	200 00
	<u>\$68,349 15</u>

4. Appropriations and Expenditures.

Received from annual appropriations for Ferry Service	\$488,910 17
Transferred to Bridge Service	\$1,215 00
Transferred to City Treasury	15,454 48
	<u>16,669 48</u>
	\$472,240 69
Unexpended balances from special appropriations, February 1, 1925, \$217,676 36	
Appropriation from taxes for ferry improvements, etc.	80,000 00
Appropriation from taxes for ferry improvements, etc., two additional boats (chapter 278, Acts, 1925)	75,000 00
Loan outside debt limit (chapter 278, Acts, 1925), two additional boats	750,000 00
Loan inside debt limit for East Boston Ferry improvements, etc.,	80,000 00
Transfers to East Boston Ferry improvements	75,000 00
	<u>1,277,676 36</u>
	\$1,749,917 05
Total expenditures	<u>729,852 79</u>
Unexpended balances of special appropriations, December 31, 1925	*\$1,020,064 26

* Of this amount \$80,000 in loans has been authorized but not issued.

3. Result of Operations for the Year.

Receipts for the year (net income)		\$68,149 15
Ordinary expenses (maintenance appropriation)	\$472,240 69	
Interest paid on ferry debt	38,752 50	
Depreciation on ferry boats	57,315 27	
Decrease in value of machinery and tools	416 35	
Decrease in value of fuel on hand,	1,849 08	
	<u>\$570,573 89</u>	
Increase in value of supplies on hand	127 82	
Net outgo for the year		<u>570,446 07</u>
Net loss for the year		<u><u>*\$502,296 92</u></u>

* Does not include expenditures for special appropriations.

Balance Sheet.
End of Fiscal Year, December 31, 1925.

ASSETS.		LIABILITIES.	
AVAILABLE ASSETS:		CURRENT LIABILITIES:	
Cash in hands of tollmen at close of year.....	\$200 00	None.	
Inventory of supplies, viz.:			
Fuel.....	10,589 60		
Supplies for maintenance.....	7,777 36		
Rents receivable.....	592 34		
Total available assets.....	\$19,159 30		
CONTINGENT ASSETS:		CONTINGENT LIABILITIES:	
City Treasury.....	* 1,020,064 26	Appropriations account.....	* \$1,020,064 26
FIXED ASSETS:		FIXED LIABILITIES:	
Real estate, land and buildings ¹	² 610,100 00	Capital of the city invested in the ferries, viz.: Total expenditures of all kinds for sixty-eight years, including interest on ferry debt.....	\$19,591,023 26
Ferryboats ³	800,124 44	Less total receipts.....	8,115,660 01
Machinery, tools, etc.....	3,747 23		
Total tangible assets.....	\$2,453,195 23		
Deficiency or loss by operation and maintenance of the ferries for sixty-eight years to date.....	10,042,232 28		
	\$12,495,427 51		
			11,475,363 25
			\$12,495,427 51

* Includes \$830,000 authorized, but not issued.

¹ Original purchase..... \$276,375 00
² Assessors' figures.
³ Total cost to date, per ferry books... \$1,042,202 91
 New buildings, drops, ships, cost to 1913..... 607,523 04
 Land, Lincoln's Wharf, cost to 1887..... 5,562 02
 Less boats sold, depreciated or destroyed..... 842,078 47
 Land, Battery Wharf, cost, 1893..... 10,000 00
 \$899,461 16

⁴ New drops, South Ferry, cost to January 1, 1926..... 542,400 00

\$1,441,861 16

Comparative Balance Sheets at the Close of Each Year.

	January 31, 1922.	January 31, 1923.	January 31, 1924.	January 31, 1925.	December 31, 1925.
<i>Assets.</i>					
Cash, tollmen's capital.....	\$200 00	\$200 00	\$200 00	\$200 00	\$200 00
Rents receivable.....	187 75	251 37	392 35	489 21	592 34
Fuel and supplies in stock.....	27,308 70	25,831 83	23,097 11	20,088 22	18,366 96
City Treasurer (balance of appropriation).....	263,531 73	255,944 84	113,072 86	217,676 36	1,020,064 26
Ferryboats (less depreciation).....	1,024,067 76	972,070 25	914,754 98	857,439 71	800,124 44
Machinery and tools.....	2,005 11	1,804 60	1,624 14	4,163 58	3,747 23
Real estate, land and buildings (assessors' valuation).....	610,100 00	610,100 00	610,100 00	610,100 00	610,100 00
Total tangible assets.....	\$1,927,401 15	\$1,866,202 89	\$1,663,241 44	\$1,710,157 08	\$2,453,195 23
Cost of avenues, etc., East Boston (previous to 1871).....	315,815 68	315,815 68	315,815 68	315,815 68	315,815 68
Deficiency of assets (loss).....	6,865,402 36	7,393,091 23	8,149,845 42	8,966,610 71	9,726,416 60
Totals.....	<u>\$9,108,619 19</u>	<u>\$9,575,109 80</u>	<u>\$10,128,902 54</u>	<u>\$10,992,583 47</u>	<u>\$12,495,427 51</u>
<i>Liabilities.</i>					
Capital invested by City of Boston to date.....	\$8,845,087 46	\$9,319,164 96	\$10,015,829 68	\$10,774,907 11	\$11,475,363 25
Appropriations account (credit balances).....	263,531 73	255,944 84	113,072 86	217,676 36	1,020,064 26
Total liabilities.....	<u>\$9,108,619 19</u>	<u>\$9,575,109 80</u>	<u>\$10,128,902 54</u>	<u>\$10,992,583 47</u>	<u>\$12,495,427 51</u>

Details of Capital Invested by the City of Boston.

Total expenditure to date per ferry books.....	\$16,309,053 08	\$16,865,009 88	\$17,658,444 98	\$18,501,559 12	\$19,273,121 91
Interest of debt for the year (per City Auditor's reports).....	29,795 00	49,585 00	44,585 00	41,710 00	38,752 50
Interest previous years., etc. (net debits, per City Auditor's reports),	279,148 85	279,148 85	279,148 85	279,148 85	279,148 85
Total expenditures.....	<u>\$16,617,996 93</u>	<u>\$17,193,743 73</u>	<u>\$17,982,178 83</u>	<u>\$18,822,417 97</u>	<u>\$19,591,023 26</u>
Deduct total receipts paid to City Collector.....	7,772,909 47	7,874,578 77	7,966,349 15	8,047,510 86	8,115,660 01
Excess expenditures, capital.....	<u>\$8,845,087 46</u>	<u>\$9,319,164 96</u>	<u>\$10,015,829 68</u>	<u>\$10,774,907 11</u>	<u>\$11,475,363 25</u>

¹ Included in deficiency of assets in Table 4.

Comparison of Receipts, Appropriations and Expenditures.

	1921-22.	1921-22. Special Account.	1922-23.	1923-24.	1924-25.	1925. (11 months.)
RECEIPTS.						
From foot passengers (tollmen)	\$41,876 31	.....	\$35,221 49	\$31,059 13	\$27,347 91	\$22,254 80
From foot passes (office sales)	282 20	.....	249 20	254 40	280 20	264 70
From extra passengers on teams (gatemmen).....	1,740 60	.....	1,639 04	1,212 80	1,525 94	727 12
From team tickets (office sales)	1,892 50	.....	1,723 00	1,621 50	1,947 00	2,026 00
From strip team tickets (tollmen).....	16,147 00	.....	17,766 50	15,442 00	13,204 50	11,400 50
From cash fares for teams (gatemmen).....	37,735 60	.....	44,007 10	41,072 74	35,796 62	30,542 28
From free ferries July 4.....	1 00	.....	1 00	1 00	1 00	1 00
Total from rates.....	\$99,675 21	.....	\$100,607 33	\$90,663 57	\$80,103 17	\$67,216 40
From rents.....	547 35	.....	495 98	398 02	417 16	368 02
From old material sold.....	116 86	.....	.....	122 03	64 68	15 00
From other sources.....	* 4,118 50	.....	565 99	586 76	576 70	549 73
Total ordinary receipts.....	\$104,457 92	.....	\$101,669 30	\$91,770 38	\$81,161 71	\$68,149 15
EXPENDITURES (ORDINARY).						
Office:						
Division engineer's salary (part) †.....	\$1,250 00	.....	\$1,250 00	\$1,250 00	\$1,250 00	\$833 33
General foreman and cashier †.....	4,786 00	\$65 75	4,800 00	4,968 59	5,013 70	4,704 06
Clerk.....	1,123 36	16 43	1,200 00	1,284 29	1,386 59	1,281 13
Retired veterans' pensions	5,442 26	536 67	6,165 56	7,449 09	7,633 27	6,442 76
Retired employees' pensions.....	2,160 00	180 00	2,258 00	3,240 00	2,921 00	2,401 00
Medical inspector (part).....	83 33	.....	83 34	83 34	83 33	91 67

Stationery.....	271 09	28 92	173 70	160 54	43 04	304 18
Printing.....	1,713 44	229 80	1,661 81	1,178 60	986 60	1,283 89
Telephones.....	281 40	48 52	278 60	246 17	249 52	237 89
Advertising.....	101 45	12 10	98 55	33 00	38 50	7 50
Car fares.....	90 75	16 70	91 75	97 35	88 17	101 45
Postage.....	4 00	2 00	5 26	8 00	4 00	20 00
Premiums, surety companies.....	85 00	85 00	7 15	85 00	85 00	85 00
Total office expense.....	\$17,398 68	\$1,221 89	\$18,073 72	\$20,083 97	\$19,852 72	\$17,796 86
Ferryboats and landings:						
Employees (wages) \$.....	\$287,056 64	\$3,636 28	\$292,612 87	\$291,878 59	\$315,339 26	\$302,376 44
Fuel.....	84,725 66	.....	89,882 09	92,904 36	75,278 43	62,388 96
Teaming, weighing coal, etc.....	3,538 17	890 61	2,703 87	2,986 03	3,296 97	3,152 02
Supplies.....	11,480 09	1,525 03	13,066 28	15,567 00	22,490 54	15,506 25
Gas.....	1,301 87	110 43	1,005 89	1,007 43	752 33	968 61
Oil.....	2,450 00	376 03	2,220 73	1,769 82	2,543 80	1,125 48
Electric light.....	3,171 49	638 97	3,790 49	4,154 60	4,973 19	4,579 53
Towing teams by electric motors.....	266 65	49 58	120 31	166 13	604 57	843 42
Repairs of boats.....	57,133 95	7,429 84	36,479 53	50,977 87	51,230 02	51,571 46
Repairs of buildings, piers and drops.....	24,599 46	4,590 63	33,817 14	13,908 12	24,814 05	9,528 99
Furnishings.....	302 98	9 50	678 30	255 50	256 00	326 50
Other expenditures ||.....	3,410 71	1,004 42	2,630 48	3,025 36	2,065 58	2,076 17
Total.....	\$496,836 35	\$21,483 21	\$497,091 70	\$498,684 78	\$523,527 46	\$472,240 69

* Includes \$2,500 received from sale of ferryboat "General Hancock" and \$1,000 from sale of ferryboat "D. D. Kelley."

† Remainder paid by Bridge Service.

‡ Included in employees (wages) after February 1, 1916, in office books.

§ Includes payment under Workmen's Compensation Act.

|| Includes repairs of coal carts, medical attendance, etc.

Comparison of Receipts, Appropriations and Expenditures.—Continued.

	1921-22.	1921-22. Special Account.	1922-23.	1923-24.	1924-25.	1925. (11 months.)
EXPENDITURES FROM SPECIAL APPROPRIATIONS.						
East Boston Ferry, improvements, etc.....	\$582,783 16	.....	\$7,414 79	\$165,179 21	\$502,726 78	\$192,096 24
Ferryboats, repairs, etc.....	2,013 25	.....	172 10	172 10	.....	.....
Ferryboat "Noddle Island".....	98,754 21	.....	.....	.....	8,290 30	.....
Ferry improvements, etc.....	.....	.....	.....	79,814 01	63,984 60	62,273 08
East Boston Ferry, two additional boats.....	.....	.....	.....	.....	.....	3,242 78
Total expenditures, regular and special.....	\$1,180,386 97	\$21,483 21	\$504,678 59	\$743,850 10	\$798,529 14	\$729,852 79
Balance in treasury unexpended.....	263,531 73	.....	255,944 84	113,072 86	217,676 36	1,020,064 26
APPROPRIATIONS.						
Regular annual appropriations.....	\$501,856 57	.....	\$497,091 70	\$498,684 78	\$521,688 80	\$488,910 17
Transfers from other sources.....	3,106 95	.....	.....	122,293 34	1,838 66	.....
East Boston Ferry, improvements, etc.....	.....	.....	.....	.....	\$295,000 00	\$ 155,000 00
Ferryboat "Noddle Island".....	.....	.....	.....	\$81,002 23	4,721 13	.....
Ferry improvements, etc.....	.....	.....	.....	.....	\$77,884 05	\$ 80,000 00
East Boston Ferry, two additional boats.....	.....	.....	.....	.....	.....	\$ 825,000 00
	\$504,963 52	.....	\$497,091 70	\$601,980 35	\$903,132 64	\$1,393,910 17

¹ Transferred from other appropriations.² Transferred from other appropriations, \$31,002 93; appropriation from taxes, \$50,000.³ Appropriation from loan inside debt limit, \$275,000; transferred from other appropriations, \$20,000.⁴ Transferred from other appropriations, \$5,721 13.⁵ Appropriation from taxes, \$60,000; transferred from other appropriations, \$17,884 05.⁶ Loan of \$80,000 inside of debt limit, authorized but not issued; transferred from other appropriations, \$75,000.⁷ Appropriation from taxes, \$80,000.⁸ Loan of \$750,000 outside of debt limit authorized but not issued; appropriation of \$75,000 from taxes.

Total Expenditures Upon Ferries Since 1858-59.

Expenditures for avenues, paving interest, etc., previous to the purchase of the ferries by the city	\$444,101 30
Purchase of the ferries April, 1870	276,375 00
Expenditures for ferryboats since April, 1870	1,642,202 91
Expenditures for new buildings, piers, drops, etc.,	1,149,940 66
Expenditures for tools and fixtures (prior to 1910)	14,752 46
Expenditures for land from Lincoln's Wharf in 1887	5,562 52
Expenditures for land from Battery Wharf in 1893	10,000 00
Total expenditures on capital account	\$3,542,934 85
Expenditures for repairs of all kinds	2,197,002 11
Expenditures for fuel	2,528,895 87
Expenditures for salaries and wages	8,768,040 48
Expenditures for all other sources	2,554,149 95
	<hr/>
	\$19,591,023 26

Total Receipts from Ferries Since 1858-59.

Receipts from rents, etc., previous to purchase of ferries	\$29,588 56
Receipts from ferry tolls since purchase of ferries,	7,800,650 95
Receipts from rents since purchase of ferries	70,659 22
Receipts from sale of ferryboats	152,567 44
Receipts from all other sources, per ferry books,	31,658 99
Receipts from all other sources, additional, per City Auditor	30,734 85
Total receipts from all sources	\$8,115,860 01
Less amount with tollmen as capital	200 00
Total receipts, auditor's report	<hr/> \$8,115,660 01

**REGULAR ANNUAL (ORDINARY) AND SPECIAL APPROPRIATIONS
(EXTRAORDINARY) OF THE FERRY SERVICE FOR THE YEAR
ENDING DECEMBER 31, 1925.**

Appropriations (regular) for the year ending January 31, 1925	\$488,910 17
Transferred to Bridge Service	\$1,215 00
Transferred to City Treasury	15,454 48
	<hr/> 16,669 48
Amount of expenditures (regular) for the year	<hr/> \$472,240 69

SPECIAL APPROPRIATIONS.

EAST BOSTON FERRY, IMPROVEMENTS, ETC.

Unexpended balance, February, 1, 1925	\$202,588 69	
Transferred from Beacon Street Bridge, Re- building	\$29,523 03	
Transferred from Chelsea Bridge South	30,476 97	
Transferred from Dartmouth Street Bridge	15,000 00	
	<hr/>	75,000 00
Loan inside debt limit authorized but not issued		80,000 00
		<hr/>
		\$357,588 69
Expenditures for year 1925		192,096 24
		<hr/>
Unexpended balance December 31, 1925		\$165,492 45
		<hr/>
Expenditures for year made up as follows:		
Labor, Ferry Service employees		\$936 00
Labor, Bridge Service employees		1,607 65
Labor, Transit Department employees		328 79
Travel expense		85 95
Scaling and cleaning boilers, etc.		884 38
Two split gears and beams		545 61
Electrical supplies		397 03
Chain links on gates		350 00
Storage facilities for spare motor		94 00
Lumber		145 03
Canopy over four controller panels		93 00
Two doors in center tower		53 00
Water tests and borings		446 16
Amount paid to Rendle, Stoddard Con- struction Company under contract for foundations for ferry bridges for South Ferry	\$30,856 98	
Less amount paid in 1924	28,542 71	
	<hr/>	2,314 27
Amount paid to J. Edward Ogden, Inc., under contract for two electrical operating bridges with gallows frames and accom- panying machinery	\$234,000 00	
Extra work as ordered	3,518 37	
	<hr/>	\$237,518 37
Less amount paid in 1924	53,703 00	
	<hr/>	183,815 37
		<hr/>
		\$192,096 24
		<hr/>
East Boston Ferry, two additional boats:		
Appropriation from taxes	\$75,000 00	
Loan, outside debt limit, authorized, but not issued	750,000 00	
	<hr/>	\$825,000 00
Expended for year 1925		3,242 78
		<hr/>
Unexpended balance December 31, 1925		\$821,757 22
		<hr/>

Expenditures for year, made up as follows:

Pay rolls, Bridge Service	\$2,337 90
Travel expense	183 25
Postage	10 00
Advertising	35 00
Printing specifications for ferryboats	364 50
Blue printing	107 13
Filing equipment	205 00
	<hr/>
	\$3,242 78

Ferry Improvements, etc.:

Unexpended balance February 1, 1925	\$15,087 67
Appropriation from taxes	80,000 00

Expenditures for year 1925	\$95,087 67
	62,273 08

Unexpended balance December 31, 1925	<hr/> \$32,814 59
--	-------------------

Expenditures for year made up as follows:

Labor, Bridge Service employees	\$583 04
Labor, Ferry Service employees	24 00
Advertising	24 00
Travel expense	5 80
Oak piles at South Ferry, Boston side	994 60
One (1) Worthington Horizontal pump 24 by 20 by 24	2,133 97
Painting irons	75 00
Miscellaneous	1,111 88

Furnishing, fitting and fastening middle timbers and guide piles of Boston side. North Ferry, additions to inner end of middle and north pier at South Ferry, East Boston side.

Amount paid to The Rendle Corporation under contract for repairing piers at South Ferry. Amount done under contract to date,	\$39,564 20
Less amount retained	5,934 63

Amount paid to Richard T. Green Company under contract repairing hull and machinery of ferryboat "General Sumner."

Work done under contract	\$8,669 10
Extra work as ordered	2,127 50

Amount paid to W. H. Ellis & Son Company under contract for repairing piers at North

Ferry amount paid under contract	\$20,238 82
100 steel pile plates	400 00

Less amount paid in 1924	\$20,638 82
	13,107 48

Amount paid to Atlantic works under contract for repairs to ferryboat "Noddle Island," work unfinished, amount of work done to date,

Extra work as ordered	\$2,183 96
	796 00

Less 15 per cent retained	\$2,979 96
	446 99

Carried forward	2,532 97
	<hr/> \$59,442 77

<i>Brought forward</i>		\$59,442 77	
Amount paid to Rendle Stoddard Construction Company, under contract for rebuilding middle pier at the Boston landing of the South Ferry, amount paid under contract	\$32,656 13		
Less amount paid in 1924	30,206 92		2,449 21
Amount paid to The Atlantic Works, under contract for repairing hull of ferryboat "Lieutenant Flaherty," amount paid under contract	\$1,571 65		
Extra work as ordered	969 00		
	\$2,540 65		
Less amount paid in 1924	2,159 55		381 10
			<u>\$62,273 08</u>

RECEIPTS AT EACH FERRY.

North Ferry.

FROM TOLLMEN.	From Foot Passengers.	From Tickets.	Totals.
Boston side.....	\$6,911 72	\$2,888 00	\$9,799 72
East Boston side.....	6,411 55	3,972 00	10,383 55
Totals.....	\$13,323 27	\$6,860 00	\$20,183 27

From tollmen		\$20,183 27
From gatemen:		
42,940 foot passengers at 1 cent	\$429 40	
Cash fares for teams	19,693 36	20,122 76
Total at North Ferry		<u>\$40,306 03</u>

South Ferry.

FROM TOLLMEN.	From Foot Passengers.	From Tickets.	Totals.
Boston side.....	\$4,689 52	\$2,613 00	\$7,302 52
East Boston side.....	4,242 01	1,927 50	6,169 51
Totals.....	\$8,931 53	\$4,540 50	\$13,472 03

From tollmen	\$13,472 03
From gatemen:	
29,772 foot passengers at 1 cent	\$297 72
Cash fares for teams	10,848 92
	<u>11,146 64</u>
Total at South Ferry	<u>\$24,618 67</u>
North and South Ferries	\$64,924 70
Tickets paid for at ferry office	2,290 70
Received in lieu of free ferries July 4, 1925	1 00
	<u>Total from rates</u> \$67,216 40
Rents for the year	368 02
Headhouse privileges	400 00
Care of public telephone booths	40 00
Commission on public telephones	109 73
Old material sold	15 00
	<u>Total receipts for year</u> <u>\$68,149 15</u>

TRAVEL ON THE FERRIES FROM FEBRUARY 1, 1925, TO
DECEMBER 31, 1925, INCLUSIVE.

	North Ferry.	South Ferry.
Foot passengers at 1 cent each	1,374,267	922,325
Foot passengers by ticket	19,238	5,619
Foot passengers free	—	270
Total foot passengers	<u>1,393,505</u>	<u>928,214</u>
One-horse teams, light motor trucks, pleasure carriages and runabouts,	208,770	122,316
Two-horse pleasure carriages, hacks, and touring cars	200,727	89,634
Two-horse teams and motor trucks,	139,584	83,059
Three-horse teams and heavy motor trucks	436	300
Four-horse teams	538	969
Handcarts, etc.	1,674	608
Drag wheels	—	—
Free teams, hacks and motor ve- hicles	15,457	8,960
	<u>567,186</u>	<u>305,846</u>

Motor Vehicle Traffic (Reports of Captains.)

February 1, 1925, to December 31, 1925.

	North Ferry.	South Ferry.	Total.
Runabouts.....	¹ 70,586	² 33,704	104,290
Touring cars.....	³ 226,944	⁴ 99,832	326,776
Trucks.....	⁵ 148,339	⁶ 88,139	236,478
Totals.....	445,869	221,675	667,544

¹ Includes 1,298 free.² Includes 850 free.³ Includes 6,575 free.⁴ Includes 3,641 free.⁵ Includes 5,736 free.⁶ Includes 2,781 free.

Total paying foot passengers 2,298,192

Total free foot passengers 270

Total foot passengers carried 2,298,462

Total paying teams 848,522

Total free teams 24,417

Total teams carried 872,939

TOTAL TRAVEL OF BOTH FERRIES FROM FEBRUARY 1, 1920
TO DECEMBER 31, 1926.

	1920-21.	1921-22.	1923-24.	1923-24.	1924-25.	1925. (11 mos.)
One-horse teams *.....	437,254	468,831	502,407	445,839	406,336	331,086
Two-horse teams †	314,109	309,529	341,257	314,672	291,710	222,543
Three-horse teams.....	4,105	1,605	1,850	1,548	1,249	736
Four-horse teams.....	3,774	4,311	6,061	4,816	2,105	1,514
Two-horse carriages, hacks ‡....	226,742	299,791	368,711	366,846	338,031	290,361
Two-cent tolls, handcarts, etc.	5,224	4,122	4,333	4,409	3,098	2,282
Drag wheels, etc.....	1	.....	2	5	35	.....
Paid teams at both ferries.....	991,209	1,088,189	1,224,621	1,138,135	1,042,564	848,522
Free teams at both ferries.....	16,650	22,458	29,349	26,197	27,988	24,417
Total teams at both ferries...	1,007,859	1,110,647	1,253,970	1,164,332	1,070,552	872,939
Foot passengers paid	3,987,785	4,390,781	3,711,491	3,244,419	2,844,317	2,298,192
Foot passengers free.....	3,305	4,479	1,865	1,650	1,584	270
Total foot passengers.....	3,991,090	4,395,260	3,713,356	3,246,089	2,845,901	2,298,462

NOTE.— Team travel includes automobiles.

* Includes one-seat automobiles. † Includes motor trucks. ‡ Includes two-seat automobiles.

APPENDIX C.

REPORT OF THE DIVISION ENGINEER OF
THE HIGHWAY DIVISION.

BOSTON, January 1, 1926.

MR. JOSEPH A. ROURKE,
Commissioner of Public Works.

DEAR SIR,— I submit herewith a statement of the activities and expenditures of the Paving and Lighting Services for the year ending December 31, 1925.

The maintenance expenditures of the Highway Division for the year (period of eleven months) were as follows:

Lighting Service	\$820,768 34
Paving Service	1,297,830 23
	<hr/>
	\$2,118,598 57

The department forces were engaged during the year in patching and maintaining roadways and sidewalks and prepared the subgrade of many streets for an asphalt top which was laid by the contractor having the contract for this kind of work. The portable crusher at the Massachusetts avenue lot and the two asphalt plants in Dorchester and Brighton were worked to capacity.

The present equipment of the Paving Service includes:

- Three G. M. C. trucks.
- Twenty-one Reo trucks.
- Eight Ford trucks.
- Six trucks.
- Sixty-five Champion snow plows.
- Thirty high speed traction ball plows.
- Two Barber-Greene snow loaders.

One Wher snow loader.

Two Nelson snow loaders.

Two Mandt Fordson snow loaders.

Seventy-four horses.

Twelve Fords (sedans, runabouts and coupes for foremen).

One Buick touring car for Division Engineer.

One Buick touring car for Chief Inspector.

Eleven road rollers.

CONSTRUCTION.

During the year contracts were awarded to do work on about seventy-two streets and all but four were completed. Contracts for constructing new streets, under the "Highways, Making of" appropriation, were awarded to the number of forty-one of which all but three were completed. There were about 16,500 yards of new granite block laid and about 66,500 yards of recut granite block, all on a concrete base, 16,000 yards of sheet asphalt, 112,000 yards of bitulithic, 13,000 yards of reinforced concrete and about 75,000 yards of artificial stone sidewalks.

Columbia road, from Dudley street to Blue Hill avenue, was surfaced with Warrenite-bitulithic, a much needed improvement. A contract was awarded for the widening and construction of Morton street, from Morton road to Canterbury street, a part of the new southern artery. When completed it will be an 80-foot street with a 69-foot roadway. The most important improvement of the year was the construction of Cambridge and Court streets. The greater part of the work was done this year and the street will be completed early next year. The street was originally 50 feet wide and has been widened to 100 feet with an 80-foot roadway paved with new granite blocks on a concrete base.

A new brick garage is being built in the Hancock Street Yard, Dorchester, and when completed will take care of about fifty cars.

I would again recommend that our snow removal equipment be augmented with modern devices. We have been very fortunate for the last few years as the snow fall has been light, but in the event of heavy storms we are not fully prepared to cope with them unless we have adequate equipment.

In the Lighting Service, Boulevard type white way lamps were installed in Tremont row, Court street, Bowdoin square and Cambridge street, city proper. In East Boston the same type of lamps were installed in Maverick street, Meridian street and Central square.

Very truly yours,

JAMES H. SULLIVAN,
Division Engineer.

HIGHWAY DIVISION — LIGHTING SERVICE.

FINANCIAL STATEMENT.

*Expenditures February 1, 1925, to December 31, 1925.**Electric Lighting:**Arc.*

Edison Electric Illuminating Company	\$457,181 42	
Charlestown Gas and Electric Company	25,699 72	
	<hr/>	\$482,881 14

Incandescent.

Edison Electric Illuminating Company	\$92,366 93	
Charlestown Gas and Electric Company fire alarm lamps	206 88	
	<hr/>	92,573 81

Gas Lighting:

Boston Consolidated Gas Company	\$223,755 92	
Charlestown Gas and Electric Company	11,969 91	
Charlestown Gas and Electric Company fire alarm lamps	478 63	
	<hr/>	236,204 46

Salaries and Wages:

Division Engineer (part of)	\$1,145 83	
Clerk	1,980 97	
Stenographer and clerk	1,431 95	
Lighting inspector	1,650 00	
	<hr/>	6,208 75

Automobile Expense:

Gasolene, oil, etc	\$185 47	
Registration	10 00	
Shoes and tubes, new and repairs,	103 16	
Supplies	26 32	
Repairs	24 00	
Storage	96 00	
	<hr/>	444 95

<i>Carried forward</i>	<hr/>	\$818,313 11
----------------------------------	-------	--------------

<i>Brought forward</i>		\$818,313 11
<i>Construction:</i>		
Installing lamps and posts and removing and relocating lamps, posts		1,132 88
<i>Office Expenses:</i>		
Printing	\$98 45	
Postage	32 00	
Stationery and periodicals	91 32	
		221 77
<i>Miscellaneous:</i>		
Travel expenses (car fares)	\$25 00	
Typewriter repairs and inspec- tion	11 00	
Gas lamp-posts	1,969 00	
Globes and shade frames	68 05	
		2,073 05
Total		\$821,740 81
Less rebate on installations		972 47
Total		<u>\$820,768 34</u>
<i>Revenue Credited to General Revenue.</i>		
Lighting Boston and Cambridge		
Bridges	\$1,583 31	
Damage to posts	192 00	
		<u>\$1,777 31</u>

The following is a statement of the work done during the year under the supervision of the Division Engineer.

Arc lamps have been provided for skating and tobogganing during the season at Franklin Field, Franklin Park and Wood Island Park the same as in years past.

Boulevard type white way lamps have been installed on Tremont row, Court street, Bowdoin square, Cambridge street, city proper; Maverick street, Meridian street and Central square, East Boston. Thus throughout the city the lighting system has been increased, including the boulevard type and new magnetite arcs, by the installation of 126 lamps, 96 incandescents and 23 gas lamps at various locations. The usual amount of regulation and relocation of lamps and services made necessary by street construction, the building of sewers and other works has been conducted throughout the year.

Petitions and requests for new lamps received from citizens and from officials, also complaints in relation to the lighting service have been investigated and attended to. All streets in the underground district prescribed for the year have been inspected and the necessary changes and additions have been made.

The number of miles of streets and ways lighted by this service is as follows:

Public streets and alleys	617.53
Public footways	1.35
Park roads, footways and private streets and alleys approximately	307.12
	<hr/>
	926.00

During the year the following defects were reported by the police: Arc lamps, 4,567, incandescent lamps, 1,302, and gas lamps, 2,024.

There are in operation 20,767 arc, incandescent and gas lamps, divided as follows: 5,863 arcs, 5,009 incandescents and 9,750 single mantle gas lamps and 145 fire alarm gas lamps.

LAMPS INSTALLED.

Magnetite arc lamps	130
Tungsten lamps	127
Single mantle gas lamps	72
Single mantle fire alarm gas lamps	5
	<hr/>
	334

LAMPS DISCONTINUED.

Magnetite arc lamps	4
Tungsten lamps	31
Single mantle gas lamps	49
	<hr/>
	84
	<hr/>
Net increase	250

The following table shows the work of setting and repairing and altering lamp-posts, brackets services, etc.

	Set for Lamps.	Set in Place of Broken Posts.	Shifted to New Location.	Straight- ened.	Reset to Line and Grade.	Unused Posts Removed.	Repaired.	Land.	Relaid.	Cleared.	Set in Place of Brackets.	Shades.
Gas posts.....	72	142	30	24	45	13	9	72	19	303	4	23
Are posts.....	130		20		45							5
Tungsten posts....	14		6	1	8				2			7
Tungsten fixtures	82					1						
Gas brackets.....						4	3					

The following table shows the number of lamps of various types in use on January 1, 1926, as compared with the number in use on January 1, 1925.

	January, 1926.	January, 1925.	Increase or Decrease.
Single mantle gas.....	9,750	9,727	23
Fire alarm gas.....	145	140	5
Magnetite series.....	5,863	5,737	126
Tungsten incandescent.....	5,009	4,913	96
	20,767	20,517	250

STREET LAMP OUTAGES.

Rebates for lamps not lighted on schedule time or out before the proper time have been received on the various monthly bills as follows:

DATE.	Incan- descent.	Gas.	Arc.
February, 1925.....	21.06	58.04	153.62
March.....	16.61	20.51	139.92
April.....	1.99	4.91	46.54
May.....	1.44	9.80	35.49
June.....	2.10	9.17	42.33
July.....	2.25	8.61	27.91
August.....	1.40	13.59	45.18
September.....	2.35	13.43	97.27
October.....	2.51	41.22	114.69
November.....	2.53	31.09	160.46
December.....	2.01	19.14	133.83
	56.25	229.51	997.24

GAS LIGHTING.

There are 9,750 single mantle gas lamps and 145 single mantle fire alarm gas lamps.

The city furnishes the lamp-posts; the Gas Company sets the lamp-posts and provides service pipes laid from the gas mains to the top of the posts; maintains all such pipes and posts in good condition and repair; furnishes gas, lanterns, burners and all other necessary equipment, including labor for lighting and care.

The Lighting Service provides for the gas, lighting and care of fire alarm signal lamps and the Fire Department for the posts, setting and repairing of same.

Gas Lamps.

LIGHTING CONTRACT.	Gas District.	Number of Lamps.	Type of Lamp.	Rated Candle Power.	Gas Consumed per Hour.	Hours of Burning per Annum.	Cost of Gas per Lamp per Annum.	Cost per Lamp for Lighting and Care per Annum.	Total Cost per Lamp from April 1, 1924.
Boston Consolidated Gas Company.*	South Boston, East Boston, Dorchester, Roxbury, Brighton, West Roxbury.	9,250 122	Single mantle. Single mantle. F. A.	60 60	3 feet. 3 feet.	4,000 4,000	\$11 00 11 00	\$15 20 15 20	\$26 20 26 20
Charlestown Gas and Electric Company.	Charlestown.....	500 23	Single mantle. Single mantle. F. A.	60 60	3 feet. 3 feet.	4,000 4,000	11 00 11 00	15 20 15 20	26 20 26 20

* Ten-year contract approved May 20, 1924.

ELECTRIC LIGHTING.

There are 5,863 magnetite arc lamps, 3,442 40 candle power, 1,470 60 candle power, 23 100 candle power, 14 125 candle power, 26 250 candle power, 11 700 candle power, 23 1,100 candle power incandescent lamps.

The electric companies provide and set the lamp-posts, except the lamp-posts for incandescent lamps supplied from underground circuits, furnish lamps, overhead wires, underground conduits, cables and connections and all other necessary equipments and maintain them in good condition and repair.

The lighting rates for electric lamps are in accordance with the following table:

DESCRIPTION OF LAMPS.	Fixed Costs per Lamps per Year from December 7, 1924.	Running Costs per Lamp Hour from December 7, 1924.
40 candle power incandescent lamp series.....	\$10 00	.22 cent
40 candle power incandescent lamp multiple.....	10 80	.26 cent
60 candle power incandescent lamp series.....	10 80	.26 cent
60 candle power incandescent lamp multiple.....	12 00	.3 cent
125 candle power incandescent lamp series.....	13 50	.36 cent
100 candle power incandescent lamp multiple.....	13 50	.36 cent
250 candle power incandescent lamp series.....	18 00	.6 cent
700 candle power incandescent lamp multiple.....	32 00	1.3 cent
1,100 candle power incandescent lamp multiple.....	34 00	1.4 cent

A deduction at the rate of 1 cent per hour for lamps of 100 candle power or less and 5 cents per hour for all other lamps is made for outages.

Arc Lamps.

COMPANY.	Number of Lamps.	Connected.	Type of Lamps.	Type of Circuit.	Terminal.	Lighting Hours.	Cost of Lamp per Annum from December 7, 1924.
Edison Electric Illuminating Company.....	{ 1,813 3,743 }	Overhead. Underground.	Magnetite. Magnetite.	Series 6.6 amp. D. C. Series 6.6 amp. D. C.	528 528	3,828 3,828	\$93 42 93 42
Charlestown Gas and Electric Company.....	{ 224 83 }	Overhead. Underground.	Magnetite. Magnetite.	Series 6.6 amp. D. C. Series 6.6 amp. D. C.	528 528	3,828 3,828	93 42 93 42

NOTE.— In the above the candle power figures are the official designations. The wattage figures are here eliminated

Incandescent Lamps.

COMPANY.	Number of Lamps.	Type of Lamps.	Type of Circuits.	Candle Power.	Lighting Hours.	Cost of Lamp per Annum from December 7, 1924.
Edison Electric Illuminating Company.....	2,021	Tungsten.	Series 6.6 amp. D. C.	40	3,828	\$18 42
	934	Tungsten.	Series 6.6 amp. D. C.	60	3,828	20 75
	14	Tungsten.	Series 6.6 amp. D. C.	125	3,828	27 28
	1,410	Tungsten.	Multiple D. C.	40	3,828	20 75
	536	Tungsten.	Multiple D. C.	80	3,828	23 48
	23	Tungsten.	Multiple D. C.	100	3,828	27 28
	26	Tungsten.	Series 6.6 amp. D. C.	250	3,828	40 97
	11	Tungsten.	Multiple D. C.	700	3,828	81 76
	23	Tungsten.	Multiple D. C.	1,100	3,828	87 59
	11	Tungsten.	Series 6.6 D. C.	40	3,828	18 42
Charlestown Gas and Electric Company.....						

NOTE.— In the above the candle power figures are the official designations. The wattage figures are here eliminated.

HIGHWAY DIVISION — PAVING SERVICE. Work Done by Contract.

	Old.	New.	Total. Old and New.
Edgestone st.....	41,151 linear feet.	50,838 linear feet.	91,989 linear feet.
Crushed stone foundation for edgestone.....	.....	9,879 "	9,879 " "
¹ Concrete base laid.....	17,679 square yards.	143,877 square yards.	161,646 square yards.
² Granite block paving laid, gravel base, gravel joints.....	1,673 " "	21 " "	1,694 " "
³ New granite block laid, grout joints.....	.....	16,338 " "	16,338 " "
⁴ Recut granite block paving laid, grout joints.....	.....	66,323 " "	66,323 " "
⁵ Second-hand block paving laid, grout joints.....	935 square yards.	5,985 " "	6,920 " "
⁶ Sheet asphalt and binder laid.....	.....	16,258 " "	16,258 " "
⁷ Bitulithic pavement laid.....	223 square yards.	112,348 " "	112,571 " "
⁸ Concrete pavement laid.....	.....	12,700 " "	12,700 " "
⁹ Wood block pavement laid.....	283 square yards.	175 " "	458 " "
¹⁰ Bituminous patching, full depth, asphalt.....	17,153 " "	20,329 " "	37,482 " "
Bituminous patching, full depth, bituminous concrete.....	6,836 " "	.....	6,836 " "
Bituminous surface patching.....	5,408 " "	.....	5,408 " "
Bituminous surface patching, extra binder.....	177 cubic yards.	363 cubic yards.	540 cubic yards.
¹¹ Artificial stone sidewalks laid.....	3,235 square yards.	72,274 square yards.	75,509 square yards.
Brick sidewalks laid.....	1,309 " "	175 " "	1,484 " "

Work Done by Contract.—Concluded.

	Old.	New.	Total. Old and New.
Crushed stone and gravel sidewalks laid.....	5,152 square yards.	6,021 square yards.	11,173 square yards.
Steel reinforcement laid.....		77,898 pounds.	77,898 pounds.
Earth excavation.....		46,807 cubic yards.	46,807 cubic yards.
Rock excavation.....		2,892 " "	2,892 " "
Filling finished.....		34,241 " "	34,241 " "
Crushed stone furnished.....		7,056 tons.	7,056 tons.
Loam furnished.....		383 cubic yards.	383 cubic yards.
Loam graded and seeded.....		820 square yards.	820 square yards.
Old concrete base removed.....		3,169 " "	3,169 " "
Covers, catch-basins and Bradley heads set.....		580	580
Wood fence.....		34 linear feet.	34 linear feet.
Ground water drain.....		118 " "	118 " "
Dry wells.....		1	1
Cinders furnished.....		1,659 square yards.	1,659 square yards.
Concrete steps and walls built.....		296 linear feet.	296 linear feet.

Explanations of Numerals on Preceding Pages.

1 Concrete base laid four (4) inches thick. Concrete base laid six (6) inches thick. Total concrete base laid.	41,564 square yards. 102,313 " "	143,877 square yards.
2 Granite blocks laid with gravel joints, formerly gravel roadway. Total granite blocks laid with gravel joints.	21 square yards.	21 square yards.
3 New granite block paving, grout joints, formerly gravel fill. New granite block paving, grout joints, formerly pitch joints. Total new granite block paving laid, grout joints.	8,332 square yards. 8,006 " "	16,338 square yards.
4 Recut granite block paving laid, grout joints, formerly gravel joints. Recut granite block paving laid, grout joints, formerly pitch joints. Total recut granite block paving laid, grout joints.	44,351 square yards. 21,972 " "	66,323 square yards.
5 Second-hand granite block paving laid, grout joints, formerly gravel roadway. Second-hand granite block paving laid, grout joints, formerly gravel joints. Second-hand granite block paving laid, grout joints, formerly pitch joints. Second-hand granite block paving laid, grout joints, formerly wood block pavement. Total second-hand granite block paving laid, grout joints.	130 square yards. 2,209 " " 2,782 " " 864 " "	5,985 square yards.
6 Sheet asphalt, formerly granite blocks, gravel joints. Sheet asphalt, formerly macadam roadway. Total sheet asphalt and binder.	8,129 square yards. 8,129 " "	6,258 square yards.
7 Bitulithic, formerly gravel roadway. Bitulithic, formerly macadam roadway. Bitulithic, formerly Telford macadam roadway. Bitulithic, formerly granite block, gravel joints. Bitulithic, formerly brick block pavement. Bitulithic, formerly asphalt pavement. Total bitulithic pavement.	62,677 square yards. 13,824 " " 23,282 " " 1,810 " " 8,204 " " 551 " "	112,348 square yards.

Explanations of Numerals on Preceding Pages.— Concluded.

³ Concrete pavement, formerly gravel roadway..... Total concrete pavement.....	12,700 square yards.	12,700 square yards.
⁹ Wood block paving, formerly granite block, gravel joints..... Total wood block pavement.....	175 square yards.	175 square yards.
¹⁰ Bituminous patching, (full depth) asphalt, formerly wood block pavement..... Bituminous patching, (full depth) asphalt, formerly macadam roadway..... Total bituminous patching, (full depth) asphalt.....	4,459 square yards. 15,970 " "	20,329 square yards.
¹¹ Artificial stone sidewalks laid with foundation..... Artificial stone sidewalks laid on existing foundation..... Total artificial stone sidewalks laid.....	29,413 square yards. 46,096 " "	75,509 square yards.

FINANCIAL STATEMENT, PAVING SERVICE.

MAINTENANCE.

Appropriation	\$1,367,317 83
Expended during the year	1,297,830 23
	<u>\$69,487 60</u>
Transfer to Reserve Fund	\$13,101 52
Transferred to City Treasury	56,386 08
	<u>69,487 60</u>

SPECIAL APPROPRIATIONS.

Highways, making of:

Amount expended during the year	<u>\$498,310 64</u>
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Garage, Albany street:

Balance February 1, 1925	\$4,769 99
Transferred from North Beacon street, Brighton	22,490 76
	<u>\$27,260 75</u>
Expended during the year	27,054 75
	<u>\$206 00</u>
Balance December 31, 1925	

GRANOLITHIC SIDEWALKS.

Balance February 1, 1925	\$1,121 80
Expended during the year	844 19
	<u>\$277 61</u>
Balance December 31, 1925	

RECONSTRUCTING AND REPAIRING STREETS BY CONTRACT.

Balance February 1, 1925	\$28,960 81
Appropriation from taxes	200,000 00
Transferred from Street Improvements	4,108 94
Revenue received	3,538 47
	<u>\$236,608 22</u>
Expended during the year	208,285 24
	<u>\$28,322 98</u>
Balance December 31, 1925	

STREET IMPROVEMENTS.

Balance February 1, 1925	\$4,280 69
Transferred to Reconstructing and Repairing streets by contract	4,108 94
	<u>\$171 75</u>
Expended during the year	<u>171 75</u>

LAND, SOUTHAMPTON STREET.

Appropriation, loan inside debt limit	\$77,000 00
Expended during the year	<u>77,000 00</u>

CAMBRIDGE STREET AND COURT STREET.

Expended during the year	<u>\$150,249 56</u>
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TREMONT STREET IMPROVEMENT.

Expended during the year	<u>\$28,390 14</u>
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GARAGE, HANCOCK STREET YARD.

Appropriation, loan inside debt limit	\$50,000 00
Appropriation from sale of city property	8,000 00
	<u>\$58,000 00</u>
Expended during the year	<u>24,887 75</u>

Balance December 31, 1925	<u>\$33,112 25</u>
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PERMANENT STREET PAVEMENT.

Appropriation, loan inside debt limit	\$500,000 00
Expended during the year	442,424 32

Balance December 31, 1925	<u>\$57,575 68</u>
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MORTON STREET IMPROVEMENT.

Expended during the year	<u>\$11,889 43</u>
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KNEELAND STREET IMPROVEMENT.

Expended during the year	<u>\$37 38</u>
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LAND, EAST BOSTON.

Appropriation, loan inside debt limit	\$24,000 00
Expended during the year	23,150 00

Balance December 31, 1925	<u>\$850 00</u>
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DOCK SQUARE AND FANEUIL HALL SQUARE IMPROVEMENT.

Expended during the year	<u>\$17 37</u>
------------------------------------	----------------

PAVING SERVICE.

SUMMARY OF EXPENDITURES.

Paving Service, maintenance	\$1,297,830 23
Highways, making of	498,310 64
Permanent street pavement	442,424 32
Reconstructing and repairing streets by contract	208,285 24
Cambridge street and Court street	150,249 56
Land, Southampton street	77,000 00
Tremont street improvement	28,390 14
Garage, Albany street	27,054 75
Garage, Hancock Street Yard	24,887 75
Land, East Boston	23,150 00
Morton street improvements	11,889 43
Granolithic sidewalks	844 19
Street improvements	171 75
Kneeland street improvement	37 38
Dock square and Faneuil Hall square, improve- ment	17 37
Total	<u><u>\$2,790,542 75</u></u>

INCOME.

Statement showing the amount of bills and cash deposited with the City Collector from February 1, 1925, to December 31, 1925, and credited to General Revenue.

Edgestones and sidewalk assessments	\$46,094 51
Permits	34,848 37
Services of inspector	1,720 00
Labor, materials furnished, etc.	11,123 50
	<u><u>\$93,786 38</u></u>

AMOUNT PAID INTO THE CITY TREASURY DURING THE YEAR.

Edgestone and sidewalk assessments	\$36,340 00
Permits	35,334 87
Services of inspector	1,878 00
Labor, materials furnished, etc.	12,610 77
Total	<u><u>\$86,163 64</u></u>

Work Done by Paving Service Forces, During 1925 (Fiscal Year).

	Old.	New.	Total.
Edgestone set.....	41,011 linear feet.	5,483 linear feet.	46,494 linear feet.
Concrete base laid.....	.....	1,307 square yards.	1,307 square yards.
Roadway, granite block, gravel joints.....	39,047 square yards.	.....	39,047 "
Roadway, granite block, grout joints.....	33,740 "	2,347 square yards.	36,087 "
Gutter, granite block, gravel joints.....	13,949 "	1,417 "	15,366 "
Gutter, granite block, grout joints.....	323 "	138 "	461 "
Flagging crosswalk, gravel joints.....	2,578 "	.....	2,578 "
Roadway, wood block, sand joints.....	8,836 "	.....	8,836 "
Asphalt penetration macadam surface placed.....	12,521 "	109,804 square yards.	122,385 "
Macadam surface patched.....	277,644 "	.....	277,644 "
Asphalt blanket coat.....	17,999 "	.....	17,999 "
Brick sidewalks laid.....	61,481 "	18 square yards.	61,499 "
Artificial stone sidewalks laid.....	12,713 "	928 "	13,641 "
Sidewalk excavating, no sidewalk laid.....	.....	5 "	5 "
Roadway excavating, no roadway constructed.....	.....	.....	.....
Roadway excavating, roadway changed.....	9,160 cubic yards.	.....	9,160 cubic yards.
Gravel or crushed stone sidewalks surfaced.....	151,741 square yards.	.....	151,741 square yards.
Grading (no pavement laid).....	.....	9,669 square yards.	9,669 "
Brick block pavement laid.....	187 square yards.	.....	187 "
Concrete roadway laid.....	5 "	.....	5 "
Rock excavating.....	.....	30 cubic yards.	30 cubic yards.

Objects of Expenditures from the Various Appropriations, Classified by Districts, from February 1, 1925, to December 31, 1925.

Districts.	Macadam Repairs.	Paved Street Repairs.	Removal of Snow.	Street Cleaning.	Edgestone and Sidewalk Repairs.	Street Work.	Schedule A. Miscellaneous.	Totals.
South Boston and Dorchester North.....	\$15,047 51	\$7,111 89	\$3,550 72	\$4,372 01	\$12,089 80	\$51,895 40	.....	\$94,067 33
East Boston and Breed's Island.....	7,645 14	1,245 52	2,265 19	753 33	11,517 69	88,908 90	.....	110,335 77
Charlestown.....	7,070 38	9,242 02	4,014 48	4,263 72	8,406 52	16,123 55	.....	49,120 67
Brighton.....	22,582 25	.....	5,165 42	27,462 66	9,945 75	122,501 09	.....	187,657 17
West Roxbury.....	31,699 95	284 23	6,874 09	30,246 51	9,798 58	210,429 85	.....	289,333 21
Dorchester.....	23,524 86	1,397 65	3,438 08	12,978 49	22,976 31	102,850 22	.....	167,165 61
Roxbury South and Jamaica Plain.....	36,127 88	3,214 83	12,505 74	39,585 48	22,769 39	324,562 30	.....	438,765 62
South End and Roxbury North.....	18,090 94	14,540 67	11,836 86	558 00	42,101 70	87,723 02	.....	174,851 19
Ashmont.....	21,559 92	1,167 81	4,086 89	14,657 88	9,004 43	189,964 41	.....	240,441 34
North and West Ends and Back Bay.....	.....	3,266 00	1,498 24	.....	3,378 24	311,621 57	.....	320,364 05
Hyde Park.....	19,968 95	.....	1,806 39	12,887 31	1,979 83	9,646 41	.....	46,288 89
Miscellaneous.....	.....	.....	.....	.....	.....	¹ 262,350 24	² \$409,801 59	672,151 83
Totals.....	\$203,317 78	\$41,470 62	\$57,042 10	\$147,765 39	\$154,568 24	\$1,776,576 96	\$409,801 59	\$2,790,542 68

¹ Includes \$18,220.40, artificial stone sidewalk repairs and rebates; includes \$80,538.81, asphalt and bitulithic repairs; includes \$11,498.53, recutting and redressing granite paving blocks; includes \$27,054.75, garage, Albany street; includes \$24,887.75, garage, Hancock street; includes \$23,150, land, East Boston; includes \$77,000, land, Southampton street.

² Includes \$37,629.04, artificial stone sidewalks, new, and repairs by department force; includes \$18,068.86, temporary repairs by department force to asphalt and bitulithic pavements; includes \$15,984.66, repairs to wood block pavements by department force.

SCHEDULE A.

EXPENDITURES FOR FISCAL YEAR 1925 (ELEVEN MONTHS).

Salary of division engineer (part of)	\$3,437 50
Salary of engineer in charge (part of)	750 00
Salaries of office clerks and stenographers	6,793 41
Salaries of assistant engineers (office work)	12,769 21
Salaries of permit office clerks	10,799 61
Salaries of permit office inspectors	16,971 72
Salaries of engineering inspectors (office work)	9,867 54
Salaries of district inspectors	2,179 49
Salary of medical inspector (part of)	366 66
Medical attendance on injured employees (outside)	24 25
Salary of general foreman	2,745 00
Salary of chief veterinarian (part of)	500 00
Salary of inspector of horses	1,431 95
Salary of constable and inspector	1,830 32
Pensions paid to veterans (retired)	6,815 48
Pensions paid to laborers (retired)	14,475 31
Compensation allowed injured employees	4,057 15
Vacations allowed laborers, mechanics, etc.	33,703 42
Holidays not including holidays charged to street accounts	70,613 15
Military duty	150 75
Postage	426 13
Printing	3,779 63
Stationery	989 29
Traveling expenses, car fares, etc.	1,130 49
Engineering supplies and incidentals	1,490 47
Stationery	\$473 18
Printing	146 45
Postage	101 96
Transit repairs	79 60
Car fares	80
Miscellaneous	688 48
Supplies, etc., for laboratory	184 15
Artificial stone sidewalks, new and repairs by department force. (See reconstructing and repairing streets by contract)	37,629 04
Asphalt and bitulithic pavement repairs. Temporary repairs, labor, teaming, materials. (See reconstructing and repairing streets by contract),	18,068 86
Brick block repairs, labor, teaming, materials	294 53
Wood block repairs, labor, teaming, materials	15,984 66
Carried forward	\$280,259 17

<i>Brought forward</i>	\$280,259	17
Crosswalks repaired, not included elsewhere	2,710	33
Fence repairs	7,850	77
Plankwalk repairs	1,816	12
Edgestone, sidewalks and gutters (new) not included elsewhere	13,138	13
Rent of land, wharves, etc.	2,673	00
Expense of stables, including drivers, feeders, fodder, horse-shoeing, repairs to harnesses, wagons, carts, etc.	\$135,808	30
Amount earned by department teams	135,141	11
		<hr/>
		667 19
Electric lighting at yards and stables	1,320	90
Gas lighting at yards and stables	218	80
Fuel, for heating offices, buildings and stables	4,595	29
Electric appliances, labor and materials, yards and stables	10	16
Rent of towels	163	35
Stoves, pipes, grates, etc.	55	73
Telephone rentals and tolls	1,514	09
Ice	141	16
Signs, making, repairing, putting up, etc.	23,766	33
Tools, hardware, etc., new, cost of repairing, etc.,	36,061	33
Oil for lighting around defects, etc.	1,554	59
Expenses of yards, including salaries of foreman, clerks, yardmen, watchman, tool wagons, etc.	53,064	95
Repairs of yard buildings, stables, sheds, shanties, etc.	12,131	38
Sanding icy and slippery streets	3,940	50
Repairing culverts	24	24
Chests for Central Office, making of	98	20
Premium on surety bonds	7	23
Traverse street subway	1,166	79
Repairs to and inspection of typewriters and adding machines	58	00
Painting traffic lines	2,850	59
Repairs to snow dumps	277	43
Work done and materials furnished, individuals, corporations, etc.	2,344	44
Furniture and repairs	25	50
Miscellaneous	230	85
Photographs	41	50
Expert services	100	00
Atlases, Brighton	127	50
Work done and materials furnished other services and departments	1,158	42
Tractors, two Fordsons	2,130	00
		<hr/>
<i>Carried forward</i>	\$458,293	96

<i>Brought forward</i>			\$458,293 96
Snow loaders, two Mandt Fordsons			2,000 00
Beach street, labor and materials, collapsed building			1,341 70
Tandem steam rollers, 2			5,700 00
Nelson snow loaders, with Fordson tractors, 2			6,075 00
Automobiles and trucks, 2 G. M. C.; 5 Reo trucks, 1 Buick coupe, 5 Fords			25,075 25
Stone crusher, South End District, operating supplies, etc.			12,813 74
Garage, Albany street, employees wages, fuel, gasoline, supplies, repairs, etc.			24,532 63
			<hr/>
			\$535,832 28
Credits:			
Amount earned by concrete mixers, snow loaders and tractors		\$336 69	
Steam Rollers:			
Amount earned	\$19,673 25		
Cost of operating, repairs, supplies, etc.	18,415 67		
	<hr/>		1,257 58
Automobiles:			
Amount earned by trucks	\$115,806 25		
Cost of operation, repairs, supplies, equipment, etc.	62,778 42		
	<hr/>		53,027 83
Asphalt Plant, Brighton:			
Value of material used on streets	\$43,805 06		
Operating expense, repairs, etc.,	27,983 74		
	<hr/>		15,821 32
Stock:			
Materials delivered on streets	\$186,340 60		
Cost of materials	\$107,992 55		
Labor handling and teaming	22,760 78		
	<hr/>		130,753 33
		<hr/>	55,587 27
			<hr/>
			126,030 69
			<hr/>
			<u>\$409,801 59</u>

SNOW AND ICE REMOVED BY CONTRACT FROM
JANUARY 31, 1925, TO DECEMBER 31, 1925.

During this period no snow or ice was removed by contract.

**The Number of Loads of Snow Removed from February 1, 1925, to
December 31, 1925.**

DISTRICT.	Single.*	Double.†	Auto Trucks.‡	Cubic Yards.	Cost.§
South Boston.....		369	403	3,525	\$3,550 72
East Boston.....	445			890	2,265 19
Charlestown.....	71			142	4,014 48
Brighton.....	117	28	748	4,806	5,165 42
West Roxbury.....	236	576	346	4,276	6,874 09
Dorchester.....	163	112		662	3,438 08
Roxbury.....	936	303	473	5,619	12,505 74
South End.....	105		752	4,722	11,836 86
Ashmont.....	519	324	43	2,268	4,086 89
North End.....	405		2,165	13,800	1,498 24
Hyde Park.....	245	93	87	1,291	1,806 39
Totals.....	3,242	1,805	5,017	42,001	\$57,042 10

* Single loads, 2 cubic yards.

† Double loads, 3 cubic yards.

‡ Auto truck loads, 6 cubic yards.

§ Includes cost of plowing gutters, cleaning sidewalks and picking ice not carted away. Also automobile snow plows furnished by contractors.

**Loads of Dirt and Street Cleaning Removed from February 1, 1925,
to December 31, 1925.**

DISTRICT.	Single.*	Double.†	Auto Trucks.‡	Cubic Yards.
South Boston.....	138	314	347	2,848
East Boston.....	211	—	—	211
Charlestown.....	917	—	—	917
Brighton.....	2,035	562	2,922	20,691
West Roxbury.....	2,997	4,088	1,008	17,221
Dorchester.....	817	527	129	2,645
Roxbury.....	6,120	978	1,874	19,320
South End.....	—	—	—	—
Ashmont.....	2,337	591	118	4,227
North End.....	—	—	—	—
Hyde Park.....	2,099	1,022	250	5,643
Totals.....	17,671	8,082	6,648	73,723

* Single loads, 1 cubic yard.

† Double loads, 2 cubic yards.

‡ Auto truck loads, 6 cubic yards.

Edgestone and Brick Sidewalk Recapitulation for 1925. (Fiscal Year.)

DISTRICT.	Edgestone, Linear Feet	Brick Sidewalk, Square Yards.
South Boston Paving District, No. 1.....	286	—
East Boston Paving District, No. 2.....	50	—
Charlestown Paving District, No. 3.....	—	—
Brighton Paving District, No. 4.....	1,349	—
West Roxbury Paving District No. 5.....	404	—
Dorchester Paving District No. 6.....	813	—
Roxbury Paving District No. 7.....	1,568	18
South End Paving District No. 8.....	358	—
Ashmont Paving District No. 9.....	650	—
North End Paving District No. 10.....	—	—
Hyde Park Paving District No. 11.....	5	—
Totals.....	5,483	18

PUBLIC WORKS DEPARTMENT.

HIGHWAY DIVISION—PAVING SERVICE—DETAIL OF WORK DONE BY CONTRACT AND CHARGED TO APPROPRIATIONS "GRANOLITHIC SIDEWALKS" AND "STREET IMPROVEMENTS."

	STREET	From	To	Contractor	Pavement	Length, Linear Feet.	Area, Square Yards	Total Cost	Amount Paid to Contractor	MATERIALS								EXPENSES					WORK DONE						PROGRAMS	
										EDGESTONE		GRANITE BLOCK		SIDEWALK BRICK		MISCELLANEOUS		Engineering	Inspection	Traveling, etc	Advertising	Miscellaneous	Excavation and Filling	Edgestone Set and Reset	Brick Sidewalk Laid and Relaid	Roadway Paved and Repaved	Artificial Stone Sidewalk Laid	Miscellaneous		
										Cost.	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity														Cubic Yards.	Linear Feet.	Square Yards.	Square Yards	Square Feet
1	Leonard street	Duncan street	Clayton street	Joseph A. Signorella	Granolithic sidewalks	450	5,095	\$438 94	\$438 94																			Work done in 1924	1	
	Massfield street	Cambridge street.	Alcott street.	Joseph A. Signorella	Granolithic sidewalks	616	8,018	405 25	405 25																			Work done in 1924	2	
17	Everett street (east side) southerly		Approach to bridge over Boston & Albany Railroad	P. J. Dias & Co.	Gas pipe fence	384		171 75	171 75																			Work done in 1924	17	



PUBLIC WORKS DEPARTMENT

HIGHWAY DIVISION PAVING SERVICE—DETAIL OF WORK DONE BY CONTRACT AND CHARGED TO APPROPRIATION "HIGHWAYS, MAKING OF"

[illegible]

¹ \$1,169 paid to Anthony Barrafeldi & Co. under 1924 contract.

¹ \$3,370.93 paid to S. J. Tomassello; execution of Court

\$247.17 paid to Warner Brothers Company for repairs.

Roadway graded

Amount paid for removing front of buildings.

PUBLIC WORKS DEPARTMENT.

HIGHWAY DIVISION — PAVING SERVICE — DETAIL OF WORK DONE BY CONTRACT AND CHARGED TO APPROPRIATION "SPECIAL APPROPRIATIONS."

STREET	From	To	Contractor	Pavement.	Length, Linear Feet	Area, Square Yards	Total Cost	Amount Paid to Contractor	MATERIALS								EXPENSES					WORK DONE						Progress.	
									EDGESTONE		GRANITE BLOCK		SIDEWALK BRICK		MISCELLANEOUS		Engineering	Inspection.	Traveling, etc	Advertising	Miscellaneous	Excavation and Filling	Edgestone Set and Keel	Brick Sidewalk Laid and Re-laid.	Roadway Paved and Repaved	Artificial Stone Sidewalk Laid	Miscellaneous.		
									Cost.	Quantity	Cost	Quantity	Cost.	Quantity	Cost	Quantity													Cubic Yards	Linear Feet	Square Yards	Square Yards.	Square Feet	Miscellaneous.
1.	Cambridge and Court streets	Londall place Charles street	Brattle street Brattle street	S. J. Tomasello Coleman Brothers, Inc	Granite block Removing walls and for filling	2,842	28,860	\$150,113 46	\$38,448 09 17,655 40	\$1,082 69	845	\$53,469 73	366,231			\$14,834 14	\$8,021 21	\$6,092 17	\$77 50	\$41 00	\$5,876 47	9,066 18,887	4,305	263	17,805	14,000		Unfinished. Completed August 22, 1925.	1
		At Cambridge and Lynde streets.		Archdeacon & Sullivan	Wall and fence...				3,915 00																			Unfinished	
2.	Dock and Faneuil Hall squares							43 37		16 00						27 37												Unfinished...	2
3.	Kneeland Street Improvement							37 38									37 38											Unfinished...	3
4.	Garage, Hancock Street Yard			J. A. Singarella Mohall and Holmes	Construct garage Architectural services			21,887 00 2,129 83	21,744 00								642 03		12 38	10 00	40 50							Unfinished.	4
5.	Garage, Albany street			John R. Dolan	Construct garage			27,064 75	27,064 75																			Completed, 1924.	5
6.	Land, Southampton street	Near Massachusetts avenue						7,700 00																				Paid October, 1925...	6
7.	Land, East Boston	At Conder and East Eagle streets.						23,150 00																				Paid December, 1925.	7
8.	Morton street.....	Morton road...	Canterbury street	J. C. Coleman & Sons Company	Bitulithic. . .	3,573	27,000	11,889 43	9,864 25								1,601 02	309 18	15 88	8 50		8,700					Unfinished.....	8	
9.	Tremont street	Arbington street	Stuart street	J. C. Coleman & Sons Company	Removing walls and for, filling	1,700		30,172 03	2,405 50	3,088 78	598	5,699 50	35,150			4,862 22	1,280 80	1,535 75	17 35	15 00	11,267 03	4,310					Completed December 30, 1925....	9	

¹ Amount paid American Building Wrecking Company, \$1,850
Amount paid Central Building Wrecking Company, \$4,339
Amount paid New England Construction Company, \$475.

² Execution of Court
³ Work done by department forces.

⁴ Paid to Thomas J. Giblin for land, \$23,000.
Paid to John Beck for valuation, \$150.
⁵ Paid to William J. Cronin and Margaret J. Cronin for land, \$7,700.

PUBLIC WORKS DEPARTMENT.

HIGHWAY DIVISION—PAVING SERVICE—DETAIL OF WORK DONE BY CONTRACT AND CHARGED TO APPROPRIATION "RECONSTRUCTING AND REPAIRING STREETS BY CONTRACT."

STREET	From	To	Contractor.	Pavement.	Length, Linear Feet.	Area, Square Yards	Total Cost.	Amount Paid to Contractor	MATERIALS								EXPENSES.					WORK DONE					Miscellaneous	PROGRESS		
									EDGESTONE		GRANITE BLOCK		SIDEWALK BRICK		MISCELLANEOUS		Engineering	Inspection.	Traveling, etc.	Advertising	Miscellaneous.	Excavation and Filling	Edging and Set and Road.	Brick Side-walk Land and Reland.	Roadway Paved and Repaved.	Artificial Stone Side-walk Land.				
									Cost.	Quantity	Cost.	Quantity	Cost.	Quantity	Cost.	Quantity														
1	Angell street	Blue Hill avenue	Canterbury street	Warren Brothers Company	Bitulithic	864	2,507	\$16 00																				Work done in 1924		
2	Artificial stone sidewalks, rebates, repairs, etc.			Various firms				19,220 40																				Completed December 23, 1925		
3	Bituminous pavements			Central Construction Company	Repairs, 1925			75,087 79	\$38,509 33								12,946 98	\$3,260 83	\$272 85	\$8 00								Work done in 1924		
4	Bituminous pavements.			Central Construction Company	Repairs, 1924			5,451 02	5,451 02																			Work done in 1922		
5	Berkeley street	Providence street	Across Columbus avenue	John T. Shea, Jr.	Granite block	1,073	7,436	3,800 00	300 00																			Work done in 1924		
6	Blue Hill avenue	Dudley street	Quincy street	John McCourt Company	Granite block	4,059	10,954	8,455 04	3,500 00								208 39											Work done in 1924		
7	Blue Hill avenue	Canterbury street	River street	Warren Brothers Company	Bitulithic	11,015	36,580	387 24	8,246 65								387 24											Work done in 1924		
8	Centre street	John Eliot square	Columbus avenue	J. A. Singarella	Concrete	2,810	13,622	2,862 01	2,805 25								57 67											Work done in 1924		
9	Charles street	Allen street	Chambers street	B. E. Grant Company	Granite block	925	3,213	5 86									5 86											Work done in 1924		
10	Congress street	Franklin street	Atlantic avenue	B. E. Grant Company	Granite block	835	4,501	1,223 13	1,169 29								53 84											Work done in 1924		
11	Dorchester street	East Eighth street	Dorchester avenue	Holbrook Construction Company				6,069 20	3,125 55																			Work done in 1922		
12	Essex street	Oxford street	Atlantic avenue	B. E. Grant Company	Granite block	1,272	5,173	24 00									24 00											Work done in 1924		
13	Franklin street	Congress street	Federal street	B. E. Grant Company	Granite block	190	730	1,057 92	1,850 92								7 00											Work done in 1924		
14	High street	Federal street	Summer street	M. F. Gaddis		220	894	58 81									58 81											Work done in 1924		
15	Huntington avenue	Forsyth street	Brookline line					533 35									524 83		8 70									Work not started		
16	Kendall street	Shawmut avenue	Tremont street					61 00									61 00												Work not started	
17	Kingston street	Summer street	Bedford street	M. F. Gaddis	Granite block	180	553	19 00									19 00											Work done in 1924		
18	Old Colony avenue	Dorchester street	Columbia road					708 57									698 97		9 60									Work not started		
19	Pearl street	Franklin street	Atlantic avenue	A. E. Grant Company	Granite block	852	3,832	674 91	632 00								42 91											Work done in 1924		
20	Perkins street	Centre street	Jamaicaway	Central Construction Company	Sheet asphalt	1,005	4,720	20 00									20 00											Work done in 1924		
21	Recutting and redressing old granite blocks			William Tooh				11,408 53	11,400 53											8 00								Completed December 16, 1925		
22	Shawmut avenue	Warren street	Roxbury street	M. F. Gaddis	Bitulithic	8,686	30,800	115 15									115 15											Work done in 1924		
23	South street	Summer street	Knollwood street	M. F. Gaddis	Granite block	1,070	5,909	38 31									38 31											Work done in 1924		
24	State street	Devonshire street	Across Merchants row	B. E. Grant Company	Wood block	525	2,602	479 15	478 15																			Work done in 1921		
25	Tremont street	127 feet east of Terrace street	Huntington avenue	John McCourt Company	Granite block	1,985	6,600	33,267 81	31,821 40	\$444 00	167						1,242 77	512 75	19 45	9 00							Completed June 2, 1925			
26	Water street	Washington street	Devonshire street	B. E. Grant Company	Granite block	178	454	79 03	79 03																			Work done in 1924		

* Rebates, \$13,694 83; repairs, \$4,525 57

* Execution of court

* Credit, \$782.00.

PUBLIC WORKS DEPARTMENT.

HIGHWAY DIVISION — PAVING SERVICE — DETAIL OF WORK DONE BY CONTRACT AND CHARGED TO APPROPRIATION "PERMANENT STREET PAVEMENT."

STREET	From	To	Contractor.	Pavement	Length, Linear Feet.	Area, Square Yards.	Total Cost	Amount Paid to Contractor	MATERIALS				EXPENSES				WORK DONE.					Miscellaneous	Progress					
									ROBERTSON	GRANITE BLOCK.		SIDEWALK BRICK.		MISCELLANEOUS.		Engineering.	Inspection.	Traveling, etc.	Advertising.	Miscellaneous.	Excavation and Filling.			Edging and Raising.	Brick Side-walk Land and Island.	Heavy Road and Hooped.	Artificial Side-walk Land.	
										Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.													Cost.	Quantity.	Cubic Yards.	Linear Feet.	Square Yards.	Square Yards.	Square Feet.
1	Adams street	King street	M. F. Gaddis	Sheet asphalt	3,739	10,077	\$30,675 00	\$48,945 55	\$264 80	100					\$932 01	\$450 24	\$61 40	\$9 00		181	2,818		16,375		\$2,037	Completed October 6, 1925.	1	
2	Chambers street	Chambers street	S. J. Tomasello	Granite block	210	520	1,927 81	1,927 37							25 17											Completed September 23, 1925.	2	
3	North Ferry	North Ferry	M. F. Gaddis	Granite block	735	3,337	26,547 57	12,574 30	21 70	87	\$7,302 00	121,700			\$149 77	488 52	232 12	10 80	9 00							Completed October 22, 1925.	3	
4	State street	State street	M. F. Gaddis	Granite block	1,371	7,439	\$7,473 87	38,755 34	107 85	53	\$1,145 00	90,750			\$1,518 91	913 27	100 10	17 65	4 25				76	7,439	6,757		Completed August 8, 1925.	4
5	Washington street	Washington street	M. F. Gaddis	Granite block	335	1,338	4,613 05	4,559 20								183 23	39 52										Completed September 13, 1925.	5
6	At intersection of Riverway	At intersection of Riverway	J. C. Coleman & Sons	Sheet asphalt			\$2,323 00	2,325 00																				6
7	Near Tremont street	Near Tremont street					100 00									88 10		1 00									Work not started.	7
8	Choben street	Choben street					127 79									124 79		3 40									Work not started.	8
9	Church street	Church street					111 01									108 51		2 50									Work not started.	9
10	Columbia road	Dudley street	Warren Brothers Company	Bitulithic	7,453	26,534	79,433 50	79,391 86	418 46	94						2,034 13	1,401 58	64 16	9 00		159	3,537	96	26,534	6,822	\$1,455	Completed October 13, 1925.	10
11	Cooper street	Salem street	M. H. Loomis Contracting Company	Bitulithic	294	722	3,499 00	3,246 11	50 09	10						131 52	61 78	0 50					3	722			Completed October 7, 1925.	11
12	Cooper street (north side)	Endicott street	M. H. Loomis Contracting Company	Artificial stone walks	87	64	175 00	154 32								21 68											Completed October 9, 1925.	12
13	Cornhill	Cornhill					108 45									95 45		10 00									Work not started.	13
14	Crawford street	Warren street	M. F. Gaddis	Granite block	376	2,937	\$3,649 80	\$2,320 40	338 15	162	300 00	6,500				238 07	192 60	15 85								Work not started.	14	
15	Eastern avenue	Commercial street	M. B. Loomis Contracting Company	Artificial stone walks	290	210	134 69	617 25								405 81		3 60									Completed October 14, 1925.	15
16	Endicott street (west side)	Endicott street	J. C. Coleman & Sons	Sheet asphalt			\$2,730 00	2,730 00								35 86	34 52										Completed October 13, 1925.	16
17	Francis street	190 feet north of Mill street	John W. O'Connell	Granite block	1,820	4,837	\$14,034 47	\$13,326 70	284 46	167						676 47	345 66	42 00	8 00				73	910			Completed December 2, 1925.	17
18	Frederick street	Frederick street					106 27									106 27											Work not started.	18
19	Harrison avenue	East Newton street	M. F. Gaddis	Granite block	768	2,568	\$8,757 44	\$7,768 43	79 74	42	372 00	6,200			\$113 06	479 07	100 06	10 90	0 50							Work not started.	19	
20	Hawley street	Milk street	M. A. Loomis Contracting Company	Sheet asphalt	220	444	\$1,473 77	\$1,314 18								120 07		2 40	4 25								Completed August 6, 1925.	20
21	Beechman street	Commercial street	J. C. Coleman & Sons	Granite block			\$3,223 00	3,023 00								120 07		39 52									Completed October 6, 1925.	21
22	Huntington avenue	At intersection of Riverway					189 04									183 64		5 40									Work not started.	22
23	Leicester street	Green street	S. J. Tomasello	Granite block	1,453	4,840	\$23,927 74	\$19,088 52	413 07	199	2,800 80	40,780			\$620 40	415 70	187 60	17 15	7 00		107	2,547	80	4,840	14,357		Completed September 20, 1925.	23
24	Leicester street	Green street					\$6,026 31	125 15								223 11		4 20									Work not started.	24
25	Leicester street	Green street					125 93	20								125 93		20									Completed September 21, 1925.	25
26	Longwood avenue	Washington avenue	M. F. Gaddis	Bitulithic	2,130	8,453	\$31,078 31	\$30,409 05	51 13	33						440 70	259 38	4 55	8 50								Completed September 21, 1925.	26
27	Longwood avenue	Washington avenue	J. C. Coleman & Sons	Sheet asphalt	260	282	\$1,567 38	1,632 00								124 96	17 26										Completed October 6, 1925.	27
28	Margaret street	Shawmut street	M. H. Loomis Contracting Company	Bitulithic	1,534	4,854	\$11,655 25	\$7,813 23								283 62	155 35	7 30	0 50								Completed August 10, 1925.	28
29	Massachusetts avenue	Albany street, 27 1/2 feet westerly and Washington street.					\$901 28									267 65		4 20									Completed August 10, 1925.	29
30	Maverick square, East Boston	Maverick square	John W. O'Connell	Granite block	2,000	13,850	\$44,537 04	\$31,315 27	307 10	120	8,062 04	146,383			\$1,737 50	1,864 12	760 40	57 51	7 50								Suspended December 15, 1925.	30
31	Meridian street	Broad street	M. F. Gaddis	Granite block	235	844	\$3,018 88	\$2,928 85								90 00											Completed September 6, 1925.	31
32	Milk street	Albany street	M. H. Loomis Contracting Company	Artificial stone walks	540	69 00	\$1,506 28	\$1,506 21								47 55	34 52										Completed October 15, 1925.	32
33	Oliver street	152 feet south of Milk street	Henry P. Malley	Granite block	1,110	5,190	\$14,110 96	\$13,190 74	172 10	61						573 21	293 00	1 65	8 30								Completed November 11, 1925.	33
34	Parmenter street	Salem street	M. H. Loomis Contracting Company	Artificial stone walks	225	270	\$655 34	\$654 27								43 07											Completed November 15, 1925.	34
35	Pemberton square	225 feet westerly					14 00									14 00											Work not started.	35
36	Providence street	Church street					72 40									70 00		2 40									Work not started.	36
37	Rolling square	Brattle street					22 00									22 00											Work not started.	37
38	Rolling square	Salem street	M. H. Loomis Contracting Company	Artificial stone walks	455	806	\$4,029 21	\$4,370 26	94 28	50						173 42	17 26										Completed October 7, 1925.	38
39	Rolling square	Brattle street					315 63									262 85		4 30									Work not started.	39
40	Rolling square	Brattle street					265 30									260 89											Work not started.	40
41	Rolling square	Brattle street					167 05									22 77											Completed October 8, 1925.	41
42	Rolling square	Brattle street	J. A. Pignatelli	Granite block	3,712	17,876	\$5,850 63	\$5,851 68	1,126 26	40	12,816 00	213,600			\$4,319 88	1,605 31	911 88	38 82	9 00		16	5,104	201	15,087	40,213		Completed November 7, 1925.	42
43	Rolling square	Brattle street	John McCourt Company	Bitulithic	3,240	11,340	\$4,541 27	\$4,055 08	10 00							899 35	293 08	39 86	8 50								Completed November 14, 1925.	43

12,637 square yards gravel sidewalks

* Credit \$140.70.

* Credit \$108.00.

* Credit \$185.00.

* Park Department contract

* Credit \$635.60

1,455 square yards gravel sidewalks.

* Credit \$21.90

* Credit \$42.00.

* Park Department contract.

* Credit \$16.50.

* Park Department contract

* Credit \$200.50.

* Work done by Transit Department

* Credit \$161.50.

* Park Department contract

* Credit \$476.00

* Credit \$84.00

* Credit \$129.00

* Credit \$42.00

* Credit \$35.00

* Credit \$788.20.

6,221 square yards gravel sidewalks.

* Work done by Transit Commission.

Maintenance of Macadam Streets.

Cost by Years of Resurfacing or Patching from February 1, 1921, to December 31, 1925.

	1921.	1922.	1923.	1924.	1925.*
Total length of macadam in miles.....	366.10	358.47	351.25	\$ 347.63	\$ 343.50
Total area of macadam in square yards.....	6,232,041	6,079,424	5,926,385	\$ 5,789,425	\$ 5,708,269
Total cost of resurfacing of macadam *.....	\$301,051 59	\$69,752 09	\$57,883 32	\$40,032 79	\$111,541 74
Total cost of patching of macadam †.....	\$251,521 06	\$173,332 36	\$196,758 28	\$251,028 22	\$231,916 92
Cost of resurfacing per mile over entire mileage.....	\$822 32	\$194 86	\$164 79	\$115 16	\$324 72
Cost of resurfacing per square yard over entire area.....	\$0 0483	\$0 0115	\$0 0097	\$0 0069	\$0 0195
Length of macadam resurfaced yearly in miles.....	19.07	5.538	3.322	1.905	4.939
Cost per mile of macadam resurfaced yearly.....	\$15,786 66	\$12,595 00	\$17,424 23	\$21,014 58	\$22,583 89
Area of macadam resurfaced yearly in square yards.....	254,321	75,646	47,870	27,461	82,648
Cost per square yard of macadam resurfaced yearly.....	\$1 183	\$0 9221	\$1 2091	\$1 46	\$1 34
Area of macadam patched yearly in square yards.....	686,509	483,013	324,187	|| 452,260	|| 329,801
Cost per square yard of macadam patched yearly.....	\$0 366	\$0 359	\$0 6069	\$0 555	\$0 703
Binders used in resurfacing (per cent):					
Water.....	.1022	.2129	.0000	.0000	.0000
Tar preparation.....	.4420	.0180	.0000	.0000	.0084
Asphalt preparations.....	.4558	.7691	1.0000	1.0000	.9916

* By resurfacing is meant entire area of street excavated and resurfaced with not less than four inches of new material.

† By patching is meant scattered areas of depressions, etc., which are filled with new material from a depth of one half inch up, and in some cases blanket coated with bituminous binder.

‡ Of this amount 127.25 miles or 2,248,503 square yards is bituminous macadam. || 277,644 square yards patched; 52,157 square yards asphalt blanket coat.

¶ 11 months.

**New Granolithic Sidewalks Laid by Department Forces During
1925.**

DISTRICTS.	Square Feet.	Location of Work.
South Boston.....	—	St. Stephen street, Florence street, Massachusetts avenue, Huntington avenue.
East Boston.....	—	
Charlestown.....	—	
Brighton.....	—	
West Roxbury.....	—	
Dorchester.....	—	
Roxbury.....	—	
South End.....	8,352	
Ashmont.....	—	
North End.....	—	
Hyde Park.....	—	
Totals.....	8,352	

STREET OPENINGS.

Under Classes 1 and 2 of the schedule of permit fees, permits were issued for openings in public ways, as follows:

TO WHOM ISSUED.	Number of Permits.	Length in Feet.
Sewer and Water Services.....	2,500	37,500
Boston Consolidated Gas Company.....	1,736	43,400
Boston Elevated Railway Company.....	235	35,250
Dedham and Hyde Park Gas and Electric Company.....	96	6,720
Edison Electric Illuminating Company.....	4,430	310,100
Quincy Market Cold Storage and Warehouse Company.....	53	1,060
Miscellaneous.....	585	73,125
New England Telephone and Telegraph Company,	337	25,275
Emergency permits used and returned.....	702	17,550
Total.....	10,674	549,980

Making a total length of openings approximately one hundred and four miles.

Total of all permits issued 19,667.

Permits for other than street openings have been issued as follows:

Cleaning snow from roof	3
Driving cattle through street	1
Erecting and repairing awnings	611
Erecting and repairing buildings	1,376
Painting or minor repairs on buildings	4,922
Moving buildings in streets	15
Feeding horses in streets	8
Placing signs flat on buildings	965
Raising and lowering safes, etc.	86
Emergency for above	345
Special permits	661
Total	<u>8,993</u>

The revenue from issuing permits amounted to \$34,848.37.

Of this amount \$28,953.37 was deposited with the City Collector and \$5,895 was billed to public service corporations.

BONDS.

There are now on file 2,769 surety bonds, in amounts of one, three and twenty thousand dollars, covering the city against claims for damages, etc., through the use of permits.

APPENDIX D.

REPORT OF THE DIVISION ENGINEER OF
THE SEWER AND SANITARY DIVISION.

BOSTON, January 1, 1926.

MR. JOSEPH A. ROURKE,
Commissioner of Public Works.

DEAR SIR,— I submit herewith a statement of the activities and expenditures of the various services of the Sewer and Sanitary Division for the year ending December 31, 1925.

The maintenance expenditures of the Sewer and Sanitary Division were as follows:

Sewer Service	\$592,155 15
Sanitary Service	2,668,398 58
Total	<u>\$3,260,553 73</u>

SEWER SERVICE.

During the fiscal year 1925 there were built throughout the city 16.2 miles of sanitary sewers and surface drains, making a grand total of 1,027.55 miles of common and intercepting sewers under the care of the Sewer Service on January 1, 1926.

Four hundred and eleven catch-basins were built or rebuilt, making the total number under the care of the Sewer Service, January 1, 1926, 17,166.

Ten thousand four hundred nine catch-basins and 158 drop inlets were cleaned out by contract and a total of 32,665.05 cubic yards of material removed therefrom.

The principal construction work consisted of:

CITY PROPER.

The reconstruction of Cambridge and Court streets, between Scollay square and Charles street; it was necessary to rearrange or rebuild practically all the old

sewerage works in these streets. Tremont street, between Stuart street and Arlington square; this widening made necessary the building of practically an entirely new system of sewers, especially as some of the old sewers were in such bad condition, made it necessary to abandon them. The Oswego street overflow, 5 feet by 6 feet reinforced concrete, has been rebuilt from Albany street, about 300 feet easterly to tidewater.

ROXBURY.

Kilmarnock street; sewers and surface drains were built between Boylston and Queensberry streets. Dorchester brook sewer, which has given a great deal of trouble in recent years in time of storm, has been rebuilt from Quincy street through private land to Lawrence avenue; thence Lawrence avenue and Blue Hill avenue to Intervale street; this should result in abolishing the floodings on Blue Hill avenue which have been severe for many years.

SOUTH BOSTON.

Pipe sewers have been built in Binford and Necco streets, and sewers and surface drains have been built by the Transit Commission in connection with Section K of the extension of the Dorchester Tunnel.

BRIGHTON.

A large number of small sanitary sewers have been built to drain new houses and in advance of permanent pavements. A reinforced concrete conduit was built under the tracks of the Boston & Albany Railroad, near Reservoir road, to abate the many floodings of railroad tracks at this location. The town of Brookline paid one half of the cost of this construction.

WEST ROXBURY.

A large number of sanitary sewers have been built in this district in answer to petitions and in advance of permanent pavements.

CHARLESTOWN AND EAST BOSTON.

Very little construction has taken place in these two districts and the efforts of the day labor men have been used to increase the efficiency of the present system.

DORCHESTER.

A large number of sanitary sewers have been built in this district, in response to petitions to drain new houses.

HYDE PARK.

Pipe sewers have been built in response to petitions for new house drainage.

PUMPING STATION, CALF PASTURE.

At the Calf Pasture Pumping Station the work of equipping No. 1 and No. 2 pumping units with electric motors has continued throughout the year. The new masonry switch house is practically completed, switch boards in place and No. 1 unit running with Edison current for trial operation.

SANITARY AND STREET CLEANING SERVICE.

Sanitary Service.

To secure sanitary and economical methods of refuse collection, suitable equipment must be provided to obtain the most satisfactory service in municipal collections. The city should own the equipment as well as employ the men. The equipment should be suitable for the work intended, as the scattering of material in loading is of great importance to the cleanliness of the community. During the past year we have purchased one large truck for ash and rubbish collection, and three small trucks for garbage collection. The Atia truck for garbage and ashes collection has proven very successful, as it is so constructed as to permit the loading of the ashes and garbage from the receptacle without exposure of their contents.

The question of increasing the number of teamsters' helpers in this service has become very serious, and a dependable force should be on hand every day in order to carry on the work of collections. Deaths and transfers should be filled immediately, as the conditions in the Sanitary Service are different from any other service or department in the city. The work of the removal of ashes, rubbish and garbage must be carried on without any delay. In South Boston, Charlestown, Roxbury, North, West and South Ends, and Back Bay, the work

is being done by regular city employees, and in these districts the need of additional trucks and men is getting to be a very serious matter.

The question of the final disposal of municipal waste in Boston is quite a serious problem, and some programme should be arrived at as soon as possible. Many of the larger cities in the United States are adopting the system of incineration for garbage and rubbish. This method could be adopted in Boston with incinerators for each district.

STREET CLEANING.

The situation in the Street Cleaning Service, relative to the increase in the number of laborers is practically the same as the Sanitary Service. Without men, horses and carts it is impossible to keep the old granite block and macadam streets in a clean condition. The addition of two motor pick-up sweepers has been of great value on smooth pavements, and at least two sweepers should be added each year. It has been aptly said "that the cleanliness of a community is a pretty accurate barometer of the health," and to keep a city in such a condition requires not only sufficient appropriation on the part of the city, but a campaign of education for the public to co-operate with the city officials to attain this end. The violation of the city ordinances, relative to the littering of streets, should be more vigorously prosecuted, and with a few fines imposed, one of the many causes of dirty streets would be abated.

Yours respectfully,

E. F. MURPHY,
*Division Engineer,
Sewer and Sanitary Division.*

SEWER SERVICE

The work of the Sewer Service is carried on under chapters 28 and 40, Revised Ordinances of 1914, and the following statutes:

- Chapter 426, 1897, as amended by 450, 1899 and 268, 1903.
- Chapter 383, 1903, as amended by 464, 1907.
- Chapter 550, 1907.
- Chapter 204, 1908.
- Chapter 514, 1908.
- Chapter 74, Special Acts of 1918.

THE DUTIES OF THE SEWER SERVICE.

1. Preparation of plans for sewerage works.
2. Construction and maintenance of all sewerage works.
3. Investigation of complaints in regard to defective drainage.
4. The granting of permits for sewer construction.
5. The preparation of plans for the assessment of the cost of sewer construction.
6. The examination of the plans of other corporations proposing to construct works in public streets with reference to their probable interference with sewerage works.

Total number of permanent employees on pay roll	
January 31, 1925	323
Total number of permanent employees on pay roll	
December 31, 1925	341
Total amount of weekly pay roll for week including	
January 31, 1925	\$11,224 30
Total amount of weekly pay roll for week including	
December 31, 1925	\$12,189 17
Total amount of monthly pay roll January 31,	
1925	\$400 00
Total amount of monthly pay roll December 31,	
1925	\$366 67

* Total amount of monthly pension roll January 31, 1925:	
Veterans	\$343 88
Laborers	\$240 76
Total amount of monthly pension roll December 31, 1925:	
Veterans	\$235 88
Laborers	\$210 76
Average weekly pay roll, including monthly roll and exclusive of pension roll for fiscal year, charged as follows:	
Maintenance	\$7,642 20
Construction	\$4,094 22
Average number of permanent men employed	328
Number of men on pension roll January 31, 1925:	
Veterans	7
Laborers	8
Number of men on pension roll December 31, 1925:	
Veterans	4
Laborers	7
Average number of horses maintained by the Sewer Service during the year	
	10
Rate of wages paid to common laborers	\$4 50

* Chapter 32, General Laws (veterans).

Chapter 413, Acts of 1911 and amendments thereto (laborers).

Financial Statement from February 1, 1925, to December 31, 1925.

OBJECT.	Balances on Hand Feb. 1, 1925.	Appropriations, Loans and Revenue.	Transfers to.	Transfers from.	Total Credit.	Expenditures During the Year.	Balances on Hand Dec. 31, 1925.
Sewer Service .....	.....	\$624,337 91	.....	.....	\$624,337 91	\$592,155 15	\$32,182 76
Sewerage works	\$199,296 54	1,001,450 86	.....	.....	1,200,747 40	900,809 15	299,938 25
Sewerage works, Charles River Basin	7,971 07	.....	.....	.....	7,971 07	7,454 37	516 70
Totals	\$207,267 61	\$1,625,788 77	.....	.....	\$1,833,056 38	\$1,500,418 67	\$332,637 71

MAINTENANCE EXPENDITURES FEBRUARY 1, 1925, TO DECEMBER 31, 1925.

SEWER SERVICE.

Improved Sewerage.

Pumping Station, Calf Pasture, inside	\$102,138 87	
Pumping Station, Calf Pasture, outside	30,686 55	
Pumping Station, Calf Pasture, engine	45,590 69	
Pumping Station, Calf Pasture, boilers	22,127 39	
Pumping Station, Union Park street	8,179 92	
Pumping Station, Summer street	1,259 97	
Pumping Station, Hyde Park	1,154 46	
		\$211,137 85
Moon Island		23,379 87
Main and intercepting sewers		14,034 56

\$248,552 28

Stony Brook.

Maintenance	4,499 32
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Miscellaneous Maintenance Charges.

Cleaning catch-basins	100,609 59
Yards and lockers	348 24
Employed at yards	31,402 58
Automobiles	\$31,023 67
Horses, carts, harnesses, etc.	7,326 66
Teaming	7,265 26

\$45,615 59

Less amount earned by service teams and auto trucks	18,922 25	
---	-----------	--

26,693 34

Cleaning sewers	54,046 00
Office salaries	19,165 63
Office expense	2,641 79
Repairing department buildings	\$989 29
Repairing catch-basins, South Boston	2,305 15
Repairing catch-basins, East Boston	2,151 28
Repairing catch-basins, Charlestown	1,613 31
Repairing catch-basins, Brighton	696 99
Repairing catch-basins, West Roxbury	1,658 35
Repairing catch-basins, Dorchester	5,767 64
Repairing catch-basins, Hyde Park	230 42
Repairing catch-basins, Roxbury	3,087 09
Repairing catch-basins, city proper	6,381 34
Repairing sewers, South Boston	1,114 22
Repairing sewers, East Boston	2,666 15
Repairing sewers, Charlestown	854 35
Repairing sewers, Brighton	726 57
Repairing sewers, West Roxbury	4,947 09
Repairing sewers, Dorchester	3,240 08

Carried forward \$38,429 32 \$487,958 77

<i>Brought forward</i>	\$38,429 32	\$487,958 77
Repairing sewers, Hyde Park	389 85	
Repairing sewers, Roxbury	1,171 33	
Repairing sewers, city proper	3,951 82	
		43,942 32
Pension roll (veterans)		2,816 12
Pension roll (laborers)		2,374 54
Annuities		321 75
Fuel and oil		2,258 87
Hardware, tools, etc.		3,041 81
Engines and boilers		36 25
Sundries and miscellaneous charges		33,096 17
Telephones		408 03
House connections		10,654 59
Rubber goods		463 75
Gatehouses, Fenway		3,649 36
Stock		12,056 93
		<u>\$603,079 26</u>

Credit.

Stock transferred and used in construction	\$10,262 61	
Fuel and oil transferred and used in construction	661 50	
		10,924 11
		<u>\$592,155 15</u>

Charges to Various Parties for Work Done and Material Furnished, Etc.

Thomas H. Haines	\$33 66
Richard F. Nicoll	15 00
Mary E. Costello	15 00
Dr. John Adams	19 12
Greeley S. Curtis, trustee	17 00
James J. Gallivan	7 99
Benjamin Goldstein	13 25
George W. Harvey	5 95
Metropolitan Water and Sewerage Board	10,300 00
Transit Department	23 27
B. E. Grant Company	* 42 00
S. S. Pierce Company	* 9 02
Maurice H. Maney	8 37
Charles A. Eaton	9 12
S. Krantzman	8 50
John Williams & Co.	† 48 54
John Albee	11 25
Frank Linehan	11 50
Joseph Horgan	12 00
Henry F. Malley	15 00
George Feather	23 42
Mariana Pornodora	8 50
Thompson Express Company	* 24 85
Charles Price	13 25
Sophie Wall	13 25
Metropolitan Coal Company	* 16 95
Estate of Joseph B. Thomas	15 00
R. K. Bush	19 37
M. N. Palmer	† 297 76
<i>Carried forward</i>	<u>\$11,057 89</u>

* Uncollected, 1925.

† Credited to Sewerage Works appropriation.

<i>Brought forward</i>	\$11,057 89
A. W. Donald	22 00
The Cundari Company	15 00
F. P. Davis	50 00
P. F. Doyle	10 00
Boston Co-operative Building Company	13 25
Peter F. Costello	16 00
Bessie Weinstein	8 50
Max Novack	21 33
Herbert S. Potter Company	8 50
William J. Wood	13 23
S. Silverstein	8 50
D. W. Huntley	12 76
Crawford Chambers	17 00
Cape, Inc.	12 76
Simon Oporian	13 35
Guy Lamornick	9 59
A. Chuker	5 00
M. W. Palmer	† 162 34
Haywood Realty Company	15 00
William M. Bailey Company	10 00
J. C. Lynch	7 87
DeChristoforo Brothers	† 82 56
Park Department	† 105 00
A. D. Daddario	† 83 29
Pasquale DeChristoforo	† 72 88
Dr. F. D. Pierce	† 45 68
Minnie Kahn	15 00
Peterson & Co.	15 00
T. Dennehy	19 00
Walter F. Dwyer	13 25
James R. Springs	* 54 20
Dr. J. Adams	16 50
Peter Magee	25 00
Dr. F. D. Pierce	† 46 57
Edward W. Samit	14 00
Wolf & Smith	7 87
Edward N. Smith	† 18 63
Olympia Theater	4 25
Joseph Vito and R. Prescetti	† 4 66
A. Chuker	10 00
A. Chuker	* 7 89
H. I. Rudine	33 00
Park Department	* † 215 60
Joseph Todesca	† 20 55
Jacob Reeves	13 00
A. P. Tarbell	13 00
George D. Lent	7 82
May School, Inc.	13 00
S. J. Tomasello	6 50
L. W. Bolansky	42 25
Jacob Medvid	15 00
Margaret A. Lannon	6 57
Lincoln Oil Company	122 78
Modern Construction Company	† 19 72
Rev. Thomas R. McCoy	146 93
Dennis J. Murphy	13 25
Frank H. Weiss	10 49
<i>Carried forward</i>	\$12,870 56

* Uncollected, 1925.

† Credited to Sewerage Works appropriation.

<i>Brought forward</i>	\$12,870 56
Daniel T. O'Connor	8 99
Samuel Gross	6 50
Thomas H. Donnellan	50 00
George J. Berry	23 39
F. E. Bowes	† 45 30
Humboldt Garage	13 25
Dr. Charles H. Winn	13 00
Hurley-Driscoll Building Company	† 157 80
M. W. Palmer	† 72 88
N. H. Hardy	† 114 10
Brighton Laundry Company	* 55 26
Wells & Rogers	* 10 25
J. T. Costello	9 01
Dr. J. Adams	13 25
Olympia Construction Company	*† 150 00
Dodge Chemical Company	13 25
John J. McDonough	50 00
Henry McBride	5 00
W. H. Marshall	13 00
M. Salerno	† 52 60
J. A. Finley	14 83
Arthur T. Nelson	13 49
Town of Brookline	*† 1,945 79
	<hr/>
	\$15,721 50
Uncollected 1925	2,538 82
	<hr/>
Total amount collected	\$13,182 68

* Uncollected 1925.

† Credited to Sewerage Works appropriation.

Sewer Service, — Maintenance Expenditures, Detail, 1925.

ACCOUNTS.	Total Expendi- tures.	Labor.	Teaming.	Stock.	Contracts.	Miscellaneous.
Automobiles (19).....	\$31,023 67	\$15,637 52	\$5 50	.....	.....	Repairs..... \$1,895 30 Equipment..... 10,708 38 Supplies..... 2,736 97 Fees..... 110 00 \$15,380 05
Cleaning catch-basins.....	100,609 59	36,806 44	1,897 75	\$35 45	\$61,869 95	Dumping..... 81 92
Cleaning sewers.....	54,046 00	30,723 73	5,447 00	.....	17,793 35	Waste..... \$31 25 Repairs and inspection... 5 00 36 25
Engines and boilers.....	36 25	.....	.....	.....	.....	Coal..... \$1,214 14 Oil and gasoline..... 1,044 73 2,258 87
Employed at yards.....	31,402 58	31,402 58	.....	.....	.....	Hose..... \$895 72 Hardware, repairs, etc.... 2,099 34 2,995 06
Fuel and oil.....	2,258 87	.....	46 75	.....	.....	Fodder..... \$2,518 37 Stable goods and supplies, Repairs, wagons and har- nesses..... 32 20 326 80 Shoeing..... 498 09 3,375 66
Hardware and tools.....	3,041 81	.....	156 00	61 87	482 25	Postage, printing, etc.... \$659 04 Stationery and supplies... 1,100 10 Miscellaneous..... 882 65 2,641 79
House connections.....	10,654 59	9,954 47	.....	.....	.....
Horses, carts, harnesses.....	7,326 66	3,951 00	.....	.....	.....
Maintenance, Stony Brook.....	4,499 32	4,161 32	338 00	.....	.....
Office expense.....	2,641 79	.....	.....	.....	.....

"	"	Dorchester.....	5,767 64	3,933 64	348 00	1,486 00	
"	"	Hyde Park.....	230 42	176 22	34 00	20 20	
"	"	Roxbury.....	3,087 09	1,901 86	310 50	874 73	
"	"	City Proper.....	6,381 34	4,182 65	645 00	1,553 69	
Repairing sewers, South Boston.....							
"	"	East Boston.....	1,114 22	670 25	121 50	322 47	
"	"	Charlestown.....	2,666 15	1,707 00	386 50	572 65	
"	"	Righton.....	854 35	438 13	196 00	220 22	
"	"	West Roxbury.....	726 57	474 37	24 50	227 70	
"	"	Dorchester.....	4,947 09	3,407 08	165 00	1,375 01	
"	"	Hyde Park.....	3,240 08	2,325 63	141 50	772 95	
"	"	Roxbury.....	389 85	217 55	49 00	123 30	
"	"	City Proper.....	1,171 33	562 13	175 50	433 70	
"	"		3,951 82	1,387 45	266 50	2,297 87	
Annuities.....							
			321 75				321 75
Pension rolls, veterans and laborers.....							
			5,190 66				
			\$373,449 23	\$220,961 13	\$12,189 00	\$23,460 57	\$80,145 55
<i>Less Credits.</i>							
Teams.....			\$18,922 25				
Stock.....			10,262 61				
Fuel and oil.....			661 50	5,346 00		10,262 61	14,237 75
Totals.....							
			\$343,602 87	\$215,615 13	\$12,189 00	\$13,197 96	\$80,145 55
							\$22,455 23

MISCELLANEOUS ACCOUNT, DETAIL.

Labor.

Vacations	\$9,320 06	
Sick leave	892 72	
Snow removal	1,874 79	
Salary inspection of castings	1,652 96	
Workingmen's compensation	1,038 04	
Repairing building, Sanitary Service	1,601 00	
Central office and other charges	2,589 50	
Miscellaneous	237 68	
Inspection — Complaints: Defective drainage, prevention of gasoline entering common sewers	8,769 58	
	<hr/>	\$27,976 33
Teaming, removing snow		133 50
Expert services		500 00
Transportation		1,148 25
Repairing streets		927 81
Medical attendance		82 00
Miscellaneous		2,328 28
		<hr/>
		<u>\$33,096 17</u>

Sewer Service.—Maintenance Expenditures, Detail, 1925.

ACCOUNTS.	Total Expendi- tures.	Labor.	Teaming.	Waste.	Fuel.	Oil and Gasolene.	Packing.	Valves.	Trans- porta- tion.	Stable.	Pipe Fittings and Miscel- laneous.	Autos.
Pumping station, Calf Pasture:												
Inside.....	\$102,138 87	\$33,710 92	.....	\$605 55	\$61,391 19	\$108 88	.....	.....	\$35 23	.....	\$6,287 10	
Outside.....	30,686 55	26,679 39	\$168 00	62 80	.....	.....	.....	.....	13 40	\$694 15	2,343 43	\$725 38
Engines.....	45,590 09	34,884 03	.....	.....	.....	2,028 31	\$1,441 13	\$2,034 07	.....	.....	5,202 55	
Boilers.....	22,127 39	17,965 50	.....	.....	.....	.....	.....	.....	.....	.....	4,101 89	
Moon Island.....	23,379 87	17,634 97	68 00	7 50	515 45	42 98	.....	.....	133 63	.....	1,600 09	3,077 25
Main and intercepting sewers.....	14,034 56	11,649 51	1,832 50	.....	.....	.....	.....	.....	.....	.....	552 55	
Pumping stations:												
Union Park street.....	8,179 92	5,624 63	150 50	.....	493 93	.....	.....	.....	.....	.....	1,910 86	
Summer street.....	1,259 97	706 88	.....	.....	.....	.....	.....	.....	.....	.....	553 09	
Hyde Park.....	1,154 46	875 09	.....	.....	.....	.....	.....	.....	.....	.....	279 37	
Totals.....	\$248,552 28	\$150,030 92	\$2,219 00	\$675 85	\$62,400 57	\$2,180 17	\$1,441 13	\$20,034 07	\$182 26	\$694 15	\$22,890 93	\$3,802 63

Recapitulation. — Maintenance Detail, 1925.

	Improved Sewerage.	Outside Improved Sewerage.	Total.
Labor.....	\$150,030 92	\$220,961 13	\$370,992 05
Contracts.....		80,145 55	80,145 55
Teaming, hired and city.....	2,219 00	12,189 00	14,408 00
Waste.....	675 85	31 25	707 10
Fuel.....	62,400 57	1,214 14	63,614 71
Oil.....	2,180 17	1,044 73	3,224 90
Packing.....	1,441 13		1,441 13
Valves.....	2,034 67		2,034 67
Transportation, etc.....	182 26	1,148 25	1,330 51
Horses, etc.....	694 15	3,048 86	3,743 01
Pipe fittings and miscellaneous.....	22,628 50		22,628 50
Telephone.....	262 43	408 03	670 46
Automobiles, repairs and supplies.....	3,802 63	15,380 65	19,183 28
Stock, supplies and miscellaneous.....		37,877 64	37,877 64
	\$248,552 28	\$373,449 23	\$622,001 51
CREDITS.			
<i>Outside Improved Sewerage.</i>			
Labor.....	\$5,346 00		
Stock.....	10,262 61		
Miscellaneous.....	14,237 75		
		29,846 36	29,846 36
Totals.....	\$248,552 28	\$343,602 87	\$592,155 15

SUPPLIES, PUMPING STATION, CALF PASTURE.

3,050 pounds grease, 10 cents to 15 cents.
 3,292 pounds waste, 15 cents to 22 cents.
 421 pounds cotton rags, 10 cents to 12½ cents.
 4,477.3 gallons engine oil, 21.3 cents to 40 cents.
 1,294.2 gallons cylinder oil, 29.5 cents to 65 cents.
 15 gallons air cylinder oil, 65 cents to 75 cents.
 307.8 gallons turbine oil, 49.5 cents to 65 cents.
 21 gallons lard oil, \$1.25 to \$2.
 58½ gallons sperm oil, 90 cents to \$1.75 cents.
 1,635 gallons kerosene oil, 12 cents to 14.5 cents.

FUEL, ENTIRE SERVICE.

1,347,772.77 gallons fuel oil, \$61,379.17.
 165 tons anthracite, \$2,235.54.

Cleaning Catch-basins, 1925.— (By Contract.)

Districts.	Contractor.	Start and Finish of Work.	Price per Cubic Yard.	Cubic Yards Excavated by Contractor.	Contractor Received by Districts.	Total Basins Cleaned.	Total Drop Inlets Cleaned.	Average Cubic Yards per Basin.	Total Cost of Inspection.	Average Total Cost to City per Basin, Including Drop Inlets.
1. City proper.....	Zito & Ward.....	{ March 9, 1925 } { Dec. 26, 1925 }	\$1 90	9,011.71	\$17,179 73	3,395	52	2.651	\$2,062 34	\$5 58
2. Back Bay, South End and Roxbury.....	Thomas F. Meaney.....	{ March 23, 1925 } { Oct. 7, 1925 }	1 83	7,057.96	12,916 06	1,977	23	3.37	2,071 20	7 49
3. South Boston.....	John J. Lonnie.....	{ March 30, 1925 } { Oct. 3, 1925 }	1 80	3,214.07	5,785 33	917	9	3.505	1,003 04	7 33
4. Charlestown and East Boston.....	Zito & Ward.....	{ March 17, 1925 } { Oct. 13, 1925 }	1 80	{ 2,002.37 } { 1,513.92 }	6,329 67	{ 658 } { 531 }	{ 2 } { 6 }	2.946	905 44	6 04
5. Brighton.....	Joseph A. Sprissler.....	{ March 16, 1925 } { Sept. 29, 1925 }	1 95	3,233.59	6,305 49	834	13	3.877	1,035 60	8 67
6. West Roxbury.....	William R. Keough.....	{ March 20, 1925 } { Aug. 19, 1925 }	1 95	2,403.39	4,686 61	718	28	3.213	692 30	6 93
7. Dorchester and Hyde Park.....	The Pierce Company, Inc.....	{ March 23, 1925 } { Oct. 17, 1925 }	2 05	{ 3,671.47 } { 556.37 }	8,667 06	{ 1,151 } { 198 }	{ 19 } { 6 }	3.134	1,233 34	7 20
Totals.....				32,665.05	\$61,869 95	10,409	158		\$9,003 26	

Total catch-basins cleaned.....	10,409	Total cost: Contractors.....	\$61,869 95
Total drop inlets cleaned.....	158	Inspection.....	9,003 26
		Advertising.....	9 00
		Miscellaneous.....	35 45
			<u>\$70,917 66</u>

Total cubic yards, material removed, 32,665.05.
Average cost per basin, including drop inlets, \$6.71.

Average cubic yards, material removed per basin, 3.13.
Average cost per cubic yard removed, \$2.17.

Sewerage Works.
Expenditures, February 1, 1925, to December 31, 1925.

ACCOUNTS.	Labor.	Teaming.	Materials.	Miscellaneous.	Paid to Contractors.	Totals.
Engineer's salaries.....	\$90,764 66	.....	.....	.....	.....	\$90,764 66
Engineer's expense	3,235 64	\$691 75	.....	\$7,925 78	\$2,255 51	14,108 68
Pumping station.....	1,084 00	.....	\$322 16	334 13	41,481 59	43,221 88
Sundries.....	1,760 47	18 00	.....	469 12	.....	2,247 59
Land-takings and court executions.....	.....	.....	.....	2,200 00	.....	2,200 00
New manholes, entire city.....	14,901 16	1,532 50	4,449 60	791 72	3,969 40	25,644 38
New catch-basins, South Boston.....	1,755 42	83 50	396 60	75 83	868 48	3,179 83
New catch-basins, East Boston.....	681 06	161 00	414 15	.....	.....	1,256 21
New catch-basins, Charlestown.....	374 00	126 00	251 53	.....	.....	751 53
New catch-basins, Brighton.....	1,067 08	139 50	.....	.....	.....	1,206 58
New catch-basins, West Roxbury.....	4,974 44	240 00	551 60	431 05	.....	6,197 09
New catch-basins, Dorchester.....	6,867 73	375 00	3,339 81	1,111 53	3,854 37	15,548 44
New catch-basins, Hyde Park.....	805 74	54 00	137 81	.....	.....	997 55
New catch-basins, Roxbury.....	8,040 20	712 25	3,053 02	424 32	2,848 13	15,077 92
New catch-basins, city proper.....	5,161 25	525 75	2,434 92	325 85	2,849 94	11,297 71
Sewers built in entire city.....	52,279 36	.....	26,336 09	10,855 02	577,638 63	667,103 10
Totals.....	\$193,752 21	\$4,659 25	\$41,687 29	\$24,944 35	\$635,766 05	\$900,809 15

Sewerage Works, Construction, February 1, 1925, to December 31, 1925, Inclusive.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1925.
SOUTH BOSTON.						
Wesley street, from Hyde street to Preble street.	.....	.....	.....	.....	.....	\$110 55
P street, from Columbia road to East Sixth street.	.....	.....	.....	.....	.....	95 90
Binford street, from A street to Necco street and Necco street from Binford street to Necco street. *	Nov. 3, 1924	May 13, 1925	V. Barletta	\$553.47 176.53 176.75	18" pipe, sanitary 15" pipe, sanitary. 12" pipe, sanitary. 7 manholes.	18,866 55
EAST BOSTON.						
Ashley street, from Breed street to Boardman street.	.....	.....	.....	.....	.....	3,239 12
Paris street, from Sumner street to manhole, 275 feet easterly.	.....	.....	.....	.....	.....	378 13
Moore street, overflow outlet, from Coleridge street to Corper street.	.....	.....	.....	.....	.....	778 26
Seaview avenue, from Orient avenue to Tower street.*	Sept. 20, 1925	Oct. 21, 1925	George J. Regan.	363.75 353.25	10" pipe, sanitary 10" pipe, surface. 3 manholes.	2,783 34
BRIGHTON.						
Shepard brook, easterly branch in Everett street, private land, Hichborn street, from Everett street to Arthur street.	.....	.....	.....	.....	.....	1,761 54
Florence avenue, from Allston street to Commonwealth avenue.	.....	.....	.....	.....	.....	88 97

* Cost not complete.

Sewerage Works, Construction, February 1, 1925, to December 31, 1925, Inclusive. — Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1925.
<i>BRIGHTON. — Continued.</i>						
Bostonia avenue, from Breck avenue to Regent road.						\$113 94
Elizabeth avenue, from Allston street to Commonwealth avenue and outlet in Allston street.						
Foster street, from Commonwealth avenue to 1,200 feet northerly and outlet in Lane park.	Nov. 29, 1924	May 12, 1925	A. D. Daddario.	671.29 507.91 12.50	10" pipe, sanitary. 10" pipe, surface. 10" cast-iron pipe, surface. 11 manholes.	10,397 58
Glencoe street, from Elmira street, 200 feet southerly.	May 13, 1925	May 30, 1925	S. J. Tomasello.	169.85 153.54	8" pipe, sanitary. 10" pipe, surface. 3 manholes.	1,239 85
Lincoln street, from Antwerp street to 230 feet easterly.	May 12, 1925	May 25, 1925	V. Barletta.	229.03	10" pipe, sanitary 1 manhole.	1,555 46
Presentation road, from Washington street to Bellamy street.*	June 1, 1925	June 30, 1925	D. Vozella.	750.90 77.00	10" pipe, surface. Catch-basin drain. 4 manholes. 6 catch-basins.	3,432 26
Western avenue, from North Harvard street to Charles river.*	June 21, 1925	Aug. 29, 1925	A. Cefalo.	1,002.46 448.85 469.06 750.96 622.10 825	24" D. S. pipe, surface. 20" D. S. pipe, surface. 18" D. S. pipe, surface. 15" pipe, surface. 12" pipe, surface. Catch-basin drains. 16 manholes. 29 catch-basins.	22,101 88
Ransom and Euston roads, from Colonial road to Claymoss road.*	July 8, 1925	Oct. 10, 1925	Zoppo & Civitares.	698.03	10" pipe, sanitary. 4 manholes.	7,618 44

Radnor and Kirkwood roads and outlet in Foster street.*	July	7, 1925.	Oct.	10, 1925	C. Russo.	1,939.76 269.80 837.82 145.50 344.97 744.02 24 24 8 180	10" pipe, sanitary. 24" D. S. pipe, surface. 18" D. S. pipe, surface. 15" pipe, surface. 12" pipe, surface. 10" pipe, surface. 10" cast-iron pipe, surface. 12" cast-iron pipe, surface. 16" cast-iron pipe, surface. 20" cast-iron pipe, surface. Catch-basin drains. 25 manholes. 17 catch-basins.	21,326 42
Bostonia avenue, from Regent road to about 300 feet easterly.*	Aug.	7, 1925	Sept.	9, 1925	The Pierce Company, Inc.	261.30	10" pipe, sanitary 2 manholes.	1,038 37
Faneuil street, from Market street to Good- enough street and outlet in private land.*	Aug.	31, 1925	Dec.	9, 1925	A. Cefalo.	980.30 1,415	10" pipe, sanitary. 12" pipe, sanitary. 12 manholes.	9,676 67
Ricker terrace, from Cufflin street to Newton line.*	Sept.	3, 1925	Sept.	10, 1925	M. DeSisto Company.	126.01	10" pipe, sanitary 3 manholes.	793 27
Private land and Boston & Albany Railroad, from Reservoir lane to Brookline line.*	Sept.	8, 1925	Nov.	12, 1925	D. Vozzella.	71.15 100	Concrete box. Channel widened.	3,426 48
Winship street, from Union street to Chest- nut Hill avenue.*	Sept.	23, 1925	Nov.	14, 1925	A. Platella and C. Andreasse.	131.97	10" pipe, sanitary 1 manhole.	1,422 65
Foster street, between Kenrick and Wash- ington streets.*	Oct.	19, 1925			D. Vozzella.	607.65 150 245	10" pipe, sanitary 12" pipe, sanitary. 10" pipe, surface. 6 manholes.	3,304 88
Arlington street, from Faneuil street to Par- sons street.*	Oct.	8, 1925	Dec.	12, 1925	V. (James) Grande.	519.53 390 186.00 209	20" D. S. pipe, surface. 15" pipe, surface. 12" pipe, surface. Catch-basin drains. 6 manholes. 11 catch-basins.	5,807 92
Ashford street, from Malvern street to Bab- cock street.*	Nov.	16, 1925	Dec.	31, 1925	Charles Struzziery.	525.11 342.98 300.92 64	10" pipe, sanitary. 12" pipe, surface. 15" pipe, surface. Catch-basin drain. 8 manholes. 5 catch-basins.	5,177 38

* Cost not complete.

Sewerage Works, Construction, February 1, 1925, to December 31, 1925, Inclusive.—Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (feet.)	Character.	Amount Expended in 1925.
BRIGHTON.—Concluded.						
Taylor street, from Willoughby street to Lake street, and Flag street, from Willoughby street to Lake street.*	Nov. 27, 1925	Dec. 10, 1925	Joseph Capone.....	300 05	10" pipe, sanitary 3 manholes.	\$1,034 40
Ransom road, from existing sewer 50 feet northeasterly.*	Dec. 28, 1925	.....	M. DeSisto Company.....	.....	.....	69 02
WEST ROXBURY.						
Germanatown District and outlet in East street, Dedham.*	May 13, 1924	May 13, 1925	C. & R. Construction Company.	113.91 221.51 1.64 3.02 54.15 29 29.19 6 1.14 304.84 2.10 1.05 100.50	2' by 3' concrete sanitary..... 18" by 20" concrete sanitary..... 15" pipe, sanitary. 12" pipe, sanitary. 10" pipe, sanitary. 20" pipe, sanitary. 24" pipe, surface. 24" cast iron pipe, surface 30" D. S. pipe, surface. 24" by 28" concrete conduit. 2' by 3' concrete conduit. 3' concrete conduit. Catch-basin drain. 10 manholes.	71,420 08
Iffley road, from Washington street to Walnut avenue.	.....	.....	.....	.....	.....	94 53
Weld street outlet in Montclair avenue, private land and Board of Survey street 1778 and 1779, between Merlin and Weld streets.	.....	.....	.....	.....	.....	633 26
Newfield and Lasell streets, from Board of Survey street No. 1706 to La Grangestreet.	.....	.....	.....	.....	.....	594 97
Stallman road, private land, Bradcon and Washington streets.	.....	.....	.....	.....	.....	10,263 97

Canterbury street, from existing sewer west of Angell street to 250 feet westerly.								66 32
Roberts avenue, from Dent street to La Grange street.	May	5, 1925	June	20, 1925	Charles Capone			519 40
Cornell street, from Washington street to Kittredge street.	May	19, 1925	July	16, 1925	M. De Sisto Company	661.87 234.38 239.61 240.61 20	10" pipe, sanitary. 15" pipe, surface. 12" pipe, surface. 10" pipe, surface. Catch-basin drain. 6 manholes. 2 catch-basins.	5,839 43
Pheasant street, from Washington street to Falcon street.*	May	19, 1925	July	16, 1925	M. De Sisto Company	216.40	20" D. S. pipe, surface. 2 manholes.	2,726 13
Church street, from existing sewer to Halford road; Pierpont road, from Church street to Theodore Parker road; Burwell road, from Church street to Theodore Parker road.	May	12, 1925	June	8, 1925	Zoppo & Civitarese	985.17	10" pipe, sanitary. 6 manholes.	4,772 76
Maynard street, from Metropolitan avenue to 260 feet southwesterly.								34 43
Catch-basins and manholes in Roxbury, Dorchester and West Roxbury.*	May	23, 1925	July	20, 1925	S. J. Tomasello	12 279	12" pipe, sanitary. Catch-basin drain. 2 manholes. 16 catch-basins.	6,060 35
Greaton road, from Weld street to Summit street.*	May	27, 1925	June	22, 1925	John Williams & Co.	363.15 514.27 830 93	15" pipe, surface. 12" pipe, surface. 10" pipe, surface. Catch-basin drain. 9 manholes. 6 catch-basins.	6,315 97
Winton street, from Hautevale street extended and end of street.*	May	16, 1925	June	22, 1925	V. Barletta	318.25 38	12" pipe, surface. Catch-basin drain. 3 manholes. 4 catch-basins.	2,681 57
Arborway, from Centre street to Custer street.*	June	8, 1925	July	25, 1925	C. Iacozza	399.30	10" pipe, sanitary. 2 manholes.	2,422 80
Sturges road, from La Grange street to Bellevue street.	June	10, 1925	June	24, 1925	A. Grande	400.30 174.80 24	15" pipe, surface. 10" pipe, surface. Catch-basin drain. 3 manholes. 2 catch-basins.	2,536 29

* Cost not complete.

Sewerage Works, Construction, February 1, 1925, to December 31, 1925, Inclusive.—Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1923.
<i>WEST ROXBURY.—Continued.</i>						
Hillside avenue, from Crandall street to 225 feet southerly.						\$45 44
Theodore Parker road and outlet in Weld street.*	July 9, 1925	Sept. 11, 1925	Charles Struzziery	685.45 599.90 249.90 220 126	18" D. S. pipe, surface. 15" pipe, surface. 12" pipe, surface. 10" pipe, surface. Catch-basin drain. 10 manholes. 9 catch-basins.	8,280 81
Sunset Hill road and outlet in Centre street.*	June 24, 1925	Aug. 20, 1925	A. Grande	775.08 707.76 40 288.03 533.92 303.64 95	10" pipe, sanitary. 10" pipe, surface. 10" cast-iron pipe, surface. 20" D. S. pipe, surface. 18" D. S. pipe, surface. 10" pipe, surface. Catch-basin drain. 20 manholes. 6 catch-basins.	14,647 22
Potomac street and outlet in Vermont street.*	July 20, 1925	Sept. 25, 1925	C. Iacozza	961.28 366.03 408.53 16 161.84 8 137.20 8	10" pipe, sanitary. 18" D. S. pipe, surface. 15" pipe, surface. 16" cast-iron pipe, surface. 12" pipe, surface. 12" cast-iron pipe, surface. 10" pipe, surface. 10" cast-iron pipe, surface. 11 manholes.	6,836 56
Lark street, private land, Robin street and La Grange street.*	Aug. 3, 1925		DeCristoforo Brothers Company.	2,076.24	10" pipe, sanitary. 11 manholes.	14,126 86
Washington street, from Grove street to 150 feet northeast of Intervale avenue.*	June 26, 1925	Nov. 14, 1925	James J. Conway	549.43 348.74 159.50 7	18" D. S. pipe, sanitary. 12" pipe, surface. 10" pipe, surface. 10" cast-iron pipe, surface. 8 manholes.	13,569 51

Sewerage Works, Construction, February 1, 1925, to December 31, 1925, Inclusive.—Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (feet.)	Character.	Amount Expended in 1925.
WEST ROXBURY.—Concluded.						
Londer's lane, from existing sewer to about 100 feet westerly.*	Oct. 22, 1925	Oct. 31, 1925	George J. Regan.....	138.70	10" pipe, sanitary. 1 manhole.	\$740 58
Yorktown street, from La Grange street to Potomac street.*	Nov. 12, 1925	Dec. 2, 1925	C. Iacozza.....	200.50	10" pipe, sanitary. 1 manhole.	722 05
Marion road, from Centre street to 550 feet westerly.*	Oct. 22, 1925	Dec. 30, 1925	C. Russo.....	520.30 16.80 524.82	33" concrete conduit..... 30" pipe conduit. 10" pipe, sanitary. 6 manholes.	5,182 93
Morton street, from Morton road to Canterbury street.*	Nov. 19, 1925	.....	J. C. Coleman & Sons Company.	303 64	12" pipe, sanitary..... 24" pipe, surface. 2 manholes.	452 35
Roseway street, from existing sewer to 225 feet southeasterly.*	Dec. 14, 1925	Dec. 23, 1925	M. DeSisto Company.....	226.30	10" pipe, sanitary..... 2 manholes.	147 46
Manning street, Roslindale avenue and Park street.*	Nov. 23, 1925	.....	C. Russo.....	464.93	10" pipe, sanitary..... 2 manholes.	220 20
Lochdale road, from Washington street to 200 feet westerly.*	Dec. 10, 1925	Dec. 31, 1925	Joseph Capone.....	200.42 187.22 7	10" pipe, sanitary..... 12" pipe, surface. 12" cast-iron pipe, surface. 2 manholes.	220 60
Sidley road, from Ardmore road to 110 feet southerly.*	Dec. 28, 1925	.....	Day labor.....	.....	.....	159 60
DORCHESTER.						
Mill street, from Victory road to Greenhill street.	.....	.....	.....	.....	.....	473 04
Wilmington avenue, from Capen street 200 feet easterly and outlet in Capen street from Fairmount street to Wilmington avenue.	.....	.....	.....	.....	.....	481 01

Loston street, from Morton street to Woolson street.	.....	.....	.....	.....	.....	.....	.....	.....	119 98
Louist street, from Washington avenue to New York, New Haven & Hartford Railroad.	.....	.....	.....	.....	.....	.....	.....	.....	226 95
New England avenue, from Talbot avenue to Massisot avenue.	.....	.....	.....	.....	.....	.....	.....	.....	191 41
Colorado street, from Currier street to 315 feet northeasterly.	.....	.....	.....	.....	.....	.....	.....	.....	271 47
Hallowell street, from Oakland street to New-castle street and outlet in private land, from Favre street to Hallowell street.	.....	.....	.....	.....	.....	.....	.....	.....	529 49
Bowman street, from Blackwell street to Chickatawbut street.	.....	.....	.....	.....	.....	.....	.....	.....	133 41
Itasca street, from 56 feet southwest of Currier street to 450 feet southwesterly.	.....	.....	.....	.....	.....	.....	.....	.....	156 60
Dorchester brook sewer, east fork in East Cottage and Humphreys streets, from Norfolk avenue to Holden street.	.....	.....	.....	.....	.....	.....	.....	.....	100 00
Dorchester brook sewer in Humphreys street, from Holden street to Dudley street.	.....	.....	.....	.....	.....	.....	.....	.....	11,096 71
Alabama street, from Currier street to Elene street, and outlet in private land, from Colorado street to Alabama street.	Nov. 24, 1924	May 4, 1925	James J. Conway.....	497.30	12" pipe, sanitary 5 manholes.	.....	.....	.....	7,513 98
Harmon street, from existing sewer 196 feet northeasterly of Randolph road about 320 feet northeasterly.	May 1, 1925	May 29, 1925	Zoppo & Civitarese.....	321.70	10" pipe sanitary 1 manhole.	.....	.....	.....	2,480 94
Wilmington avenue, from existing sewer 380 feet northeast of Capen street about 253 feet northeasterly.*	May 4, 1925	May 25, 1925	M. D. Russo Company.....	253	10" pipe, sanitary 2 manholes.	.....	.....	.....	1,265 54
Mildred avenue, from existing sewer 225 feet northeast of Babson street 580 feet north-easterly.*	May 12, 1925	June 9, 1925	M. D. Russo Company.....	583.80	12" pipe, sanitary 2 manholes.	.....	.....	.....	2,797 01

* Cost not complete.

Sewerage Works, Construction, February 1, 1925, to December 31, 1925, Inclusive.—Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1925.
DORCHESTER.—Continued.						
Elm avenue, from Barrington street about 230 feet northeasterly, and Barrington street, from Beaumont street to Elm avenue.	May 5, 1925	May 27, 1925	M. DeMatteo.....	296.60 430.30 14	10" pipe, sanitary..... 12" pipe, surface. Catch-basin drain. 4 manholes. 1 catch-basin.	\$2,663 77
Chelmsford street, from Adams street to Charlemon street, and outlet, private land, from Minot street to Chelmsford street and North Munroe terrace, from Neponset avenue to Train street.*	June 12, 1925	July 9, 1925	C. Russo.....	239.02 198.94 559.84 399.70 164	15" pipe, surface..... 12" pipe, surface. 10" pipe, surface. 10" pipe, surface. Catch-basin drain. 12 manholes. 8 catch-basins.	6,784 15
Freeland street, from existing sewer about 310 feet north of Standard street to Eskridge street.*	May 8, 1925	July 18, 1925	James J. Conway.....	382.60	10" pipe, sanitary..... 2 manholes.	2,518 00
Hazleton street, between existing surface drain 104 feet northwest of Fottler road and Wellington Hill footway.*	May 18, 1925	June 2, 1925	D. Vozzella.....	617.20 46	12" pipe, surface..... Catch-basin drain. 3 manholes. 3 catch-basins.	2,566 71
Sutton street, from Morton street to Woolson street.	June 5, 1925	June 27, 1925	Zoppo & Civitarese.....	220 205.95 33	12" pipe, surface..... 10" pipe, surface. Catch-basin drain. 5 manholes. 3 catch-basins.	3,439 78
Estrella street, from Harvard street to Morton street.*	June 13, 1925	July 18, 1925	V. Barletta.....	207.20 429.30 10	10" pipe, sanitary..... 10" pipe, surface. Catch-basin drain. 4 manholes. 1 catch-basin.	5,451 77

Minot street, from Adams street to Carruth street and outlet in private land, from existing conduit to end of Minot street.	April	6, 1925	June	8, 1925	C. Iacozza.....	45 391.45 178.45 401.40 181.20 142	24" D. S. pipe, surface..... 18" D. S. pipe, surface. 15" pipe, surface. 12" pipe, surface. 10" pipe, surface. Catch-basin drain. 7 manholes. 14 catch-basins.	7,317 48
Locust street, from Buttonwood street to New York, New Haven & Hartford Railroad.*	July	13, 1925	July	25, 1925	M. H. Loonie.....	105	Catch-basin drain..... 2 manholes. 8 catch-basins.	2,949 30
Verrill street, from Morton street to Woolson street.*	June	8, 1925	July	8, 1925	Zoppo & Civitarese.....	202.30 200 40	12" pipe, surface..... 10" pipe, surface. Catch-basin drain. 5 manholes. 3 catch-basins.	3,438 04
Tolman street, from Neponset avenue to about 200 feet easterly.*	Aug.	11, 1925	Oct.	15, 1925	M. DeSisto Company.....	193.60	12" pipe, sanitary..... 3 manholes.	4,689 17
Guild road, from existing sewer 172 feet south-east of Elm road to about 148 feet north-westerly*.	Aug.	3, 1925	Aug.	10, 1925	A. Piatelli and C. Andreasse,	144	10" pipe, sanitary..... 1 manhole.	544 12
Lorna road, from Tiverton street to Morton street, and private land, from Lorna road to West Selden street.*	Aug.	3, 1925	Sept.	23, 1925	Charles Struzziery.....	200 310.20 40	10" pipe, surface..... 3' concrete conduit. Catch-basin drain. 4 manholes. 4 catch-basins.	7,132 20
Senmont street, from Florida street to Dorchester avenue.*	Aug.	17, 1925	Sept.	11, 1925	M. H. Loonie Construction Company.	318 203.50 186 19	15" pipe, surface..... 12" pipe, surface. 10" pipe, surface. Catch-basin drain. 4 manholes. 2 catch-basins.	3,685 06
Wales place, from Vaughan avenue to about 125 feet northwesterly.*	Sept.	25, 1925	Nov.	21, 1925	A. Piatelli and C. Andreasse	140.10 14	10" pipe sanitary..... Catch-basin drain. 1 manhole. 1 catch-basin.	2,601 08

* Cost not complete.

Sewerage Works, Construction, February 1, 1925, to December 31, 1925, Inclusive.— Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1925.
DORCHESTER.— <i>Concluded.</i>						
Clarence terrace, from Wentworth street to about 185 feet westerly, Dorchester; and Lexington avenue, from existing sewer about 156 feet northwest of Jefferson street to Westminster street, Hyde Park.*	Sept. 24, 1925	Nov. 24, 1925	Charles Struzziery.....	199.40 390.20	12" pipe, sanitary. 10" pipe, sanitary. 4 manholes.	\$3,687 04
Elm avenue, from existing sewer at Foss road to about 115 feet northeasterly.*	Sept. 11, 1925	Sept. 21, 1925	M. De DeSisto Company....	115.20	10" pipe, sanitary. 1 manhole.	613 60
Colorado street from Almont street to about 80 feet northwesterly.*	Sept. 30, 1925	Oct. 9, 1925	M. DeBartolomeo.....	114.85	10" pipe, sanitary.....	743 09
Lenoxdale avenue, from existing sewer 418 feet southeast of Marsh street to about 100 feet southeasterly.*	Sept. 29, 1925	Oct. 7, 1925	Zoppo & Civitares.....	174.30	10" pipe, sanitary.....	907 57
Savannah avenue, from existing sewer 50 feet northeast of Monterey avenue to about 150 feet northeasterly.*	Oct. 27, 1925	Nov. 11, 1925	Zoppo & Civitares.....	150.10	10" pipe sanitary.....	1,888 17
Astoria street, from Flint street to Elizabeth street.*	Nov. 8, 1925	.....	George J. Regan.....	400	1 manhole. 12" pipe, sanitary.....	512 73
Bellevue street, from Barry street to Hamilton street.*	Dec. 1, 1925	Dec. 14, 1925	Zoppo & Civitares.....	330.50	12" pipe, sanitary. 3 manholes.	1,200 65
Bernard street, from Southern avenue to Norfolk street.*	Nov. 24, 1925	Dec. 18, 1925	A. Piatella and C. Andreasse,	396.90	12" pipe, sanitary. 2 manholes.	1,348 71
Savin Hill avenue, from 150 feet southwest of Dillingham street to about 155 feet southwest.*	Sept. 15, 1925	Dec. 7, 1925	M. F. Gaddis.....	153.40	12" pipe, sanitary. 1 manhole.	53 00
HYDE PARK.						
Wood avenue, from Rutledge road about 90 feet northeast and outlet in Rutledge road.	.....	.....	.....	.....	.....	353 63

Arundel street, from Vale street to River street; Vale street, from Linwood street to Arnold street; Linwood street, from Child street to Vale street; Child street, from Gordon avenue to Linwood street.	.....	.....	.....	.....	.....	.....	872 51
Cottage place, from Winslow street, 142 feet southwest to 50 feet northwest.	.....	.....	.....	.....	.....	.....	83 79
Cottage street, from Water street to Washington street and outlet in Water street from Glenwood avenue to Cottage street.	.....	.....	.....	.....	.....	.....	791 22
Wood avenue, from Seminole street about 335 feet northwesterly to existing sewer.	.....	.....	.....	.....	.....	.....	88 46
Ralston road, from Ruskin road to Rutledge road.	.....	.....	.....	.....	.....	.....	125 49
Ruskin road, from existing sewer 317 feet southeast of Wood avenue about 135 feet northeasterly, Hyde Park and Innes street, from existing sewer 350 feet northeast of Canaan street about 20 feet northeasterly Dorchester.*	May	12, 1925	July	18, 1925	George J. Regan.....	277.20 20	3,042 01
River street, from Monponset street to Wachusett street.*	June	23, 1925	July	18, 1925	M. DeSisto Company.....	293.77	2,715 65
Summit street, from existing sewer 210 feet northeast of Milton avenue about 175 feet northeasterly.*	July	6, 1925	July	18, 1925	J. F. Capone.....	176.75	934 67
Atherton avenue, from Fairview avenue about 340 feet northwesterly and outlet in Fairview avenue.*	Sept.	8, 1925	Nov.	24, 1925	A. Piatelli and C. Andreasso,	551.73	2,941 25
Summer brook in private land from Neponset river to River street near Wood avenue.*	Dec.	7, 1925	.....	.....	A. Cefalo.....	.....	452 44
Loring place and outlet in private land from Loring place to Garfield avenue.*	Oct.	8, 1925	Oct.	24, 1925	Zoppo & Civitarese.....	298.84 265.54	1,812 97
Tyler street, from Water street to Loring street.*	Nov.	30, 1925	.....	.....	M. DeMatteo.....	400	214 52

* Cost not complete.

Sewerage Works, Construction, February 1, 1925, to December 31, 1925, Inclusive.—Continued.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1925.
ROXBURY.						
Harrishof street, from Warren street to Humboldt street.						\$928 77
Bolster street, from Mozart street to Wyman street.						101 68
Mark street, from Day street to 203 feet easterly.						109 78
Dorchester brook sewer in private land, Lawrence and Blue Hill avenues, from Quincy street to Intervale street.*	June 23, 1925		C. & R. Construction Company.	485.23 830.59 22.37 57 40 32 34.50 1,287 65 10.90 19 10 14.19 54	6' by 6' concrete surface. 5' by 5' concrete surface. 4' 6" by 4' 6" concrete surface. 3' by 3' concrete surface. 24" pipe, surface. 15" pipe, surface. 12" pipe, surface. 24" pipe, sanitary. 20" pipe, sanitary. 18" pipe, sanitary. 15" pipe, sanitary. 12" pipe, sanitary. 10" pipe, sanitary. Catch-basin drain. 21 manholes. 5 catch-basins.	43,545 97
Ipswich street, from Boylston street to 268 feet northwesterly.*	May 7, 1925	July 3, 1925	William Barrett & Co.,.....	266.40	18" pipe, sanitary. 2 manholes.	6,519 24
Kilmarnock street, from Boylston street to Queensberry street.*	July 3, 1925	Oct. 17, 1925	V. Barletta,	662.70 111.40 342.35 302.72 30.70 92	1' 10" by 1' 3" concrete sanitary.. 18" by 20" concrete surface. 2" by 4" concrete surface. 1' 10" by 3' 4" concrete surface. 15" pipe, surface. Catch-basin drain. 11 manholes. 7 catch-basins.	21,018 68

Sonoma street, from Maple street to Elm Hill avenue.*	May 31, 1925	June 24, 1925	M. DeSisto Company.....	426 36	12" pipe, surface. Catch-basin drain. 3 manholes. 3 catch-basins.	2,093 27
Stonholm street, from Norway street to a point about 200 feet northerly.*	Oct. 26, 1925	Nov. 11, 1925	John Williams & Co.	138.50 192.50	12" pipe, sanitary 12" pipe, surface. 4 manholes.	2,829 85
CITY PROPER.						
Shawmut avenue, from Warrenton street to Roxbury street.						1,264 83
Hanover street, from Commercial street to 390 feet northeasterly.						134 89
Battery street, from Commercial street to North Ferry.*	May 4, 1925	June 24, 1925	L. Balboni.....	47 227.32	20" pipe, sanitary 1' 6" by 1' 6" U-shaped concrete sanitary. 2 manholes.	7,119 28
Cambridge and Court streets, from Charles street to Cornhill.*	May 12, 1925	Dec. 15, 1925	C. & R. Construction Co. . .	106.93 2,417.43 578 705.75 30.85 1,225.68 20 15.60 575 48 642	10" pipe, sanitary. 12" pipe, sanitary. 15" pipe, sanitary. 18" pipe, sanitary. 20" pipe, sanitary. 12" pipe, surface. 12" cast-iron pipe, surface. 12" pipe, overflow. 1' 6" by 2' 8" concrete sanitary. 15" pipe, surface. catch-basin drain. 56 manholes. 58 catch-basins. 9 drop inlets.	63,989 08
Tremont street, from Church street to Broadway.*	July 1, 1925	Nov. 2, 1925	DeCristoforo Brothers Co.	482.45 5 29 411.40 269.60 182.24 434.05	12" pipe, sanitary. 15" pipe, sanitary. 18" pipe, sanitary. 1' 6" by 3' 7" concrete sanitary. 12" pipe, surface. 15" pipe, surface. 2' 6" by 3' 6" concrete surface. 12 manholes.	22,140 68

* Cost not complete.

Sewerage Works, Construction, February 1, 1925, to December 31, 1925, Inclusive.— Concluded.

LOCATION.	Begun.	Finished.	Built by.	Length. (Feet.)	Character.	Amount Expended in 1923.
CITY PROPER.— Continued.						
Oswego street, overflow, from Albany street to about 312 feet southeasterly.*	Aug. 6, 1925	.....	V. Barletta.....	287	5' by 6' concrete overflow..... 4 manholes.	\$22,484 64
Tremont street, from Arlington street to Stuart street; Corning street, from Tremont street to 90 feet southerly; Warrenton street, from Tremont street to 130 feet westerly.*	Aug. 22, 1925	.....	A. Grande.....	431.05 300.42 487.75 210.70 130.94 162.16 150	12" pipe, sanitary..... 15" pipe, sanitary..... 12" pipe, surface..... 15" pipe, surface..... 18" pipe, surface..... 20" pipe, surface..... catch-basin drain..... 15 manholes..... 15 catch-basins..... 7 drop inlets.	22,245 17

* Cost not complete.

Recapitulation.

DISTRICT.	Linear Feet Sewers.	Linear Feet Catch-basin Drains.	Manholes.	Catch-basins.	Amount Expended in 1925.
South Boston.....	906.75	.....	7	.....	\$19,073 00
East Boston.....	717	.....	3	.....	7,178 85
Charlestown.....	.....	.....	.....	.....	.....
Brighton.....	17,507.36	1,355	105	68	101,666 08
West Roxbury.....	25,721.80	805.50	166	47	213,684 90
Dorchester.....	11,472.50	627	79	48	94,581 82
Hyde Park.....	2,286.83	.....	17	.....	14,398 64
Roxbury.....	5,381.05	182	41	15	77,147 24
City Proper.....	9,841 32	792	89	89 *	139,378 57

* Includes 16 drop inlets.

Sewerage Works Construction, February 1, 1925, to December 31,
1925, Inclusive.*New Catch-Basins and Manholes Built by Day Labor and Contract.*

DISTRICT.	Catch-basins.	Manholes.	Total Cost.
South Boston.....	10	8	\$5,712 62
East Boston.....	3	2	2,000 98
Charlestown.....	2	2	1,484 71
Brighton.....	5	4	2,471 97
West Roxbury.....	17	13	10,212 76
Dorchester.....	42	16	20,613 78
Hyde Park.....	2	.....	997 55
Roxbury.....	44	14	19,400 18
City Proper.....	31	22	18,262 69
Totals.....	156	81	\$81,157 24

SEWERAGE WORKS LOAN, 1925.

Engineers' salaries, general	\$90,764 66
Amount charged to construction of sewers	25,278 00
	<u>\$116,042 66</u>

ENGINEERING EXPENSE.

Labor	\$3,235 64
Teaming	691 75
Borings	2,255 51
Transportation	1,839 72
Supplies, etc.	6,086 06
	<u>\$14,108 68</u>

PUMPING STATION CONSTRUCTION.

Advertising	\$25 50
Labor	1,084 00
Contracts	41,481 59
Materials, etc.	630 79
	<u>\$43,221 88</u>

SUNDRIES.

Labor	\$3,192 91
Teaming	18 00
Material	40,115 46
	<u>\$43,326 37</u>
Less material charged to jobs	41,078 78
	<u>\$2,247 59</u>

COURT EXECUTIONS AND AWARDS ON ACCOUNT OF LAND
TAKINGS, ETC.

Holbrook trustees, Alabama street, Dorchester	\$500 00
Catherine Sexton, Favre street, Dorchester	200 00
John W. Moore <i>et al.</i> , Commonwealth avenue, near Boston & Albany Railroad, Brighton	1,500 00
	<u>\$2,200 00</u>

Sewerage Works, Charles River Basin.

Expenditures February 1, 1925, to December 31, 1925.

ACCOUNTS.	Material, etc.	Labor.	Paid to Contractors.	Total.
Engineers' salaries		\$132 76		\$132 76
Sewers built in entire city	\$552 57	314 02	\$6,455 02	7,321 61
Totals	\$552 57	\$446 78	\$6,455 02	\$7,454 37

Sewerage Works, Charles River Basin, Construction, February 1, 1925, to December 31, 1925, Inclusive.

LOCATION.	Begun.	Finished.	Built by.	Length, (Feet.)	Character.	Amount Expended in 1925.
WEST ROXBURY.						
Weld street, from Parkvale road to Church street; Parkvale road and Church street, from Weld street to 150 feet southeast of Parkvale road.	Nov. 23, 1924	April 22, 1925	V. Barletta	322.85 30	10" pipe, sanitary. 12" pipe, sanitary. 2 manholes.	\$4,061 36
Weld street, from Board of Survey street No. 1779 to Parkvale road.	.....	.....	.....	.....	.....	1,414 96
Alhambra road, from Willow street to Maple street.	May 13, 1925	May 29, 1925	M. DeSisto Company	379 85	10" pipe, sanitary. 3 manholes.	1,845 29

Linear feet sewers built, 732.70; manholes built, 5.

Catch-basins in Charge of Sewer Service.

DISTRICT.	CATCH-BASIN DATA FOR ELEVEN MONTHS ENDED DECEMBER 31, 1925.			TOTAL FOR WHOLE CITY IN CHARGE OF SEWER SERVICE.	
	Number Built or Rebuilt.	Number Abandoned or Removed.	Net Increase.	Previous Report to February 1, 1925.	Grand Total to January 1, 1926.
City proper.....	118	59	59	3,308	3,367
Roxbury.....	50	11	39	2,933	2,972
South Boston.....	13	9	4	1,274	1,278
East Boston.....	5	.....	5	914	919
Charlestown.....	2	.....	2	772	774
Brighton.....	73	2	71	1,338	1,409
West Roxbury.....	53	4	49	2,300	2,349
Dorchester.....	97	3	94	3,604	3,698
Hyde Park.....	.....	.....	.....	400	400
Totals.....	411	88	323	16,843	17,166

Summary of Sewer Construction for Eleven Months Ended
December 31, 1925.

DISTRICT.	Built by City by Contractor or Day Labor.	Built by Private Parties.	Total Length Built.	
	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Miles.</i>
City proper.....	9,883.30	.....	9,883.30	1.872
Roxbury.....	5,381.05	232.00	5,613.05	1.063
South Boston.....	766.75	3,259.85	4,026.60	0.763
East Boston.....	726.73	.....	726.73	0.138
Charlestown.....	.....	86.00	86.00	0.016
Brighton.....	17,408.21	3,366.71	20,774.92	3.935
West Roxbury.....	27,336.62	2,361.79	29,698.41	5.624
Dorchester.....	11,102.30	990.05	12,092.35	2.290
Hyde Park.....	2,637.03	.....	2,637.03	0.499
Totals.....	75,241.99	10,296.40	85,538.39	16.200

Net Increase in Length of Sewers Between February 1, 1925, and December 31, 1925.

DISTRICT.	Length of Sewers Built During the Eleven Months ended December 31, 1925.	Length of Sewers Re-built or Abandoned During the Eleven Months ended December 31, 1925.	Net Increase for Eleven Months Ended December 31, 1925.	
	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Miles.</i>
City proper.....	9,883.30	813.50	9,069.80	1.718
Roxbury.....	5,613.05	1,661.59	3,951.46	0.748
South Boston.....	4,026.60	876.60	3,150.00	0.596
East Boston.....	726.73	.....	726.73	0.138
Charlestown.....	86.00	86.00	.....	.....
Brighton.....	20,774.92	.....	20,774.92	3.935
West Roxbury.....	29,698.41	746.00	28,952.41	5.483
Dorchester.....	12,092.35	391.60	11,700.75	2.216
Hyde Park.....	2,637.03	.....	2,637.03	0.499
Totals.....	85,538.39	4,575.29	80,963.10	15.333

<i>Total Length of Sewers.</i>		<i>Miles.</i>
Common sewers and surface drains previous to February 1, 1925.....		981.29
Net increase of common sewers and surface drains between February 1, 1925, and December 31, 1925.....		15.33
Total common sewers and surface drains to December 31, 1925.....		996.62
Intercepting sewers connecting with Metropolitan sewers to December 31, 1925.....		* 6.81
Boston main drainage intercepting sewers to December 31, 1925.....		* 24.12
Grand total of common and intercepting sewers to December 31, 1925,		1,027.55
Total mileage of streets containing sewerage works to January 1, 1926..		604.34

* No additional lengths during the year 1925.

Summary of Sewer Construction for Five Years Previous to January 1, 1926.

	1921.	1922.	1923.	1924.	1925.*
	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Linear Feet.</i>	<i>Linear Feet.</i>
Built by city by contract or day labor.....	37,115.48	63,156.54	41,076.39	50,708.89	75,241.99
Built by private parties.....	279.18	1,641.30	2,609.10	4,566.88	10,206.40
Totals.....	37,394.66	64,797.84	43,685.49	55,275.77	85,538.39

* 1925 fiscal year changed to end December 31. Data is for eleven months only.

Table of Approximate Quantities, Lifts and Duties at Calf Pasture Pumping Station.

MONTH.	Total Pumpage Gallons.	Average per Day Gallons.	Minimum per Day Gallons.	Maximum per Day Gallons.	Average Lift, Feet.	Average Daily Foot- pounds per Gallon of Oil.
1925.						
February.....	3,073,271,045	109,759,680	57,833,246	179,536,278	35.9	7,900,000
March.....	3,705,625,462	119,536,305	96,125,826	173,222,291	35.8	7,900,000
April.....	3,118,986,510	103,966,217	77,762,922	135,365,181	36.0	8,100,000
May.....	2,746,433,515	88,594,630	74,242,015	116,023,043	36.1	7,600,000
June.....	3,224,401,721	107,480,057	84,406,858	131,984,221	36.0	8,200,000
July.....	3,410,560,815	110,018,091	82,492,351	135,709,678	35.9	8,300,000
August.....	3,339,033,866	107,710,770	92,988,450	135,339,399	36.1	8,700,000
September.....	3,321,654,666	110,721,822	78,592,708	131,697,898	36.0	8,100,000
October.....	3,473,574,220	112,050,781	87,791,602	165,605,453	36.0	7,700,000
November.....	3,400,511,021	113,350,367	78,829,923	162,053,755	36.0	7,000,000
December.....	3,502,666,545	112,989,243	79,116,968	169,768,301	36.0	7,100,000
Totals.....	36,316,719,386	1,196,177,963	922,182,869	1,636,305,498	395.8	87,600,000
Averages.....	3,301,519,944	108,743,451	83,834,806	148,755,045	36.0	8,000,000

Cost of Pumping.

ITEMS.	Cost.	Cost per Million Foot Gallons.
Labor.....	\$68,039 52	\$0 05204
Fuel oil.....	65,991 38	0 05047
Oils and waste.....	2,977 90	0 00228
Rubber valves and packing.....	3,863 91	0 00296
Miscellaneous renewals and supplies.....	18,523 23	0 01417
Totals.....	\$159,395 94	\$0 12192
Labor at screens.....	\$6,912 00	\$0 00529

RECAPITULATION.

Total gallons pumped February 1, 1925	
to December 31, 1925	36,316,719,000
Daily average	108,743,451
Average dynamic head	36.0
Foot, gallons	1,307,401,884,000
Foot, gallons per gallon of oil	970,774
Foot, pounds per gallon of oil	8,174,000
Total oil for pumping (gallons)	1,346,763

*Amount of Sludge Received and Removed from Deposit Sewers
from February 1, 1925, to December 31, 1925, Inclusive.*

Sludge in sewers February 1, 1925	1,677	cubic yards.
Received during the year (11 months)	3,331	" "
Total	5,008	" "
Removed during the year (11 months)	4,283	" "
Sludge in sewers (January 1, 1926)	725	" "

**Amount of Refuse Removed from Gatehouse from February 1, 1925,
to December 31, 1925, Inclusive.**

MONTH.	Number Cheeses.	Weights. (Pounds.)
1925.		
February	230	55,430
March	261	62,901
April	268	64,588
May	337	81,217
June	247	59,527
July	209	50,369
August	244	58,804
September	254	61,214
October	277	66,757
November	175	42,175
December	216	52,056
Totals	2,718	655,038

Cheeses—Average 241 pounds.

SANITARY SERVICE.

FINANCIAL STATEMENT.

Appropriation		\$2,728,851 72
Expended by Sanitary Service,	\$1,877,228 67	
Expended by Street Cleaning and Oiling Service	791,169 91	
	<hr/>	2,668,398 58
Transferred to City Treasury		<u>\$60,453 14</u>

INCOME.

Statement showing the amount of bills and cash deposited with the City Collector from February 1, 1925 to December 31, 1925, and credited to General Revenue.

Tickets and bills for the removal of ashes and waste	\$96,171 45
Sale of manure	1,518 82
Rents	262 88
Sign	10 50
	<hr/>
Total	<u>\$97,963 65</u>

AMOUNT PAID INTO THE CITY TREASURY DURING THE YEAR.

Removal of ashes and waste	\$96,171 45
Sale of manure	2,280 42
Rents	262 88
Miscellaneous	62 18
	<hr/>
Total	<u>\$98,776 93</u>

Total Cost of House Dirt, Waste, Rubbish and Offal, 1925.

Salaries, division engineer, supervisor, general foreman and medical inspector	\$13,315 87
Office supplies and expenses, printing, station- ery, etc.	3,153 61
Ashes, waste and rubbish account	1,223,670 80
House offal account	544,997 49
	<hr/>
<i>Carried forward</i>	\$1,785,137 77

<i>Brought forward</i>		\$1,785,137 77
Retired veterans' pensions	\$1,459 77	
Retired laborers' pensions	5,318 73	
	<hr/>	6,778 50
Total		<hr/> \$1,791,916 27

CONSTRUCTION REPAIRS AND HORSESHOEING
ACCOUNT.

Expended for labor	\$7,105 35	
Expended for stock	26,372 83	
	<hr/>	97,430 18
		<hr/> \$1,889,346 45

WORK DONE BY OTHER SERVICES.

Paving Service	\$7,993 52	
Sewer Service	671 95	
Water Service	3,452 31	
	<hr/>	12,117 78
Total		<hr/> <hr/> \$1,877,228 67

Items of Expenditure for the Year 1925.

Salary, division engineer (in part).....	\$3,333 33
Salary, supervisor (in part).....	3,496 02
Salary, medical inspector (in part).....	1,741 54
Salary, chief veterinary (in part).....	1,250 00
Salary, foremen.....	15,921 06
Salaries, yard clerks.....	2,860 85
Labor, collecting and disposing of house dirt and ashes.....	604,780 25
Labor, collecting and disposing of waste and rubbish.....	35,399 29
Labor, collecting and disposing of house offal.....	315,508 11
Labor and stock at stables and yards.....	75,252 27
Hired teams on ashes.....	57,176 41
Contractor on ashes, East Boston, Brighton, West Roxbury, Dorchester and Hyde Park.....	264,095 00
Contractor on offal, East Boston, Brighton, West Roxbury, Dorchester and Hyde Park.....	112,500 00
Holidays, pay allowed.....	81,597 55
Vacations, pay allowed.....	23,298 66
Grain.....	23,991 16
Hay and straw.....	17,013 01
Medical attendance and pay allowed injured employees.....	11,550 61
Veterinary services and medicines.....	393 05
Horses, draught.....	6,875 00
Outside wheelwright, blacksmith, horseshoeing, etc.....	30,970 36
Labor, stock and wheelwright, blacksmith, painting, etc.....	85,312 40
Repairs to stables and sheds.....	34,894 59
Fuel.....	4,237 87
Gas.....	733 78
Electric light and power.....	2,760 30
Printing, stationery, office supplies, etc.....	3,153 51
Automobile expense.....	48,353 25
Retired veterans' pensions.....	1,459 77
Retired laborers' pensions.....	5,318 73
Rent.....	1,375 00
Telephone tolls and rentals.....	635 84
Total.....	\$1,877,228 67

Amount Expended for the Collection and Disposal of Ashes, Garbage, Waste and Rubbish, by District, 1925 (Eleven Months).

Districts.	Popu- lation.	ASHES.		GARBAGE.		WASTE AND RUBBISH.		Total Cost. Per Capita.
		Cost.	Per Capita.	Cost.	Per Capita.	Cost.	Per Capita.	
1. South Boston.....	73,899	\$67,783 30	\$0.9171	\$28,973 22	\$0.3920	\$333 00	\$0.0045	\$97,089 52
2. East Boston.....	66,848	44,385 81	0.6639	10,880 71	0.1628	.....	.....	55,266 52
3. Charlestown.....	36,336	46,033 00	1.2667	112,316 99	0.3389	.....	.....	58,349 99
4. Brighton.....	44,637	50,445 95	1.1301	25,770 90	0.5773	.....	.....	76,216 85
5. West Roxbury.....	61,782	44,002 44	0.7122	28,482 44	0.4610	.....	.....	72,484 88
6. Dorchester.....	164,174	161,579 90	0.9843	78,270 67	0.4767	.....	.....	239,870 57
7. Roxbury.....	130,575	211,239 15	1.6177	78,434 15	0.6008	10,569 32	0.0809	300,242 62
8 and 9. South End and Back Bay.....	119,405	232,988 80	1.9512	82,006 37	0.6868	41,523 20	0.3477	356,518 37
10. North and West Ends.....	75,783	104,081 20	1.3734	28,037 80	0.3699	9,411 11	0.1237	141,530 11
11. Hyde Park.....	19,671	10,487 11	0.5331	4,807 50	0.2413	.....	.....	15,294 61
12. Disposal station.....	.....	169,976 25	.....	167,016 74	.....	8,891 74	.....	345,884 73
Totals.....	793,110	\$1,143,022 91	.....	\$544,997 49	.....	\$76,728 37	.....	\$1,768,748 77

House Dirt and Ashes Removed.

YEARS.	Loads.	Cubic Yards.	Tons.
1921.....	264,244	967,955	394,435
1922.....	272,245	1,025,555	417,915
1923.....	280,448	1,065,625	434,234
1924.....	276,818	1,099,636	448,094
1925 *.....	239,840	984,287	401,087

House Offal Removed.

YEARS.	Loads.	Cubic Yards.	Tons.
1921.....	47,711	118,237	69,182
1922.....	44,860	110,555	71,175
1923.....	50,115	127,052	74,962
1924.....	50,584	142,822	84,264
1925 *.....	46,093	137,597	81,176

Waste and Rubbish Removed.

YEARS.	LOADS.		Cubic Yards.	Tons.
	Paper Carts.	Market Wagons.		
1921.....	3,295	3,491	52,224	6,144
1922.....	2,850	4,055	54,071	6,455
1923.....	1,924	4,589	53,409	6,394
1924.....	1,901	4,601	53,443	6,390
1925 *.....	1,772	4,192	47,712	5,851

Loads of Material Collected from February 1, 1925, to December 31, 1925.

YEARS.	Ashes.	Offal.	Rubbish.	Total Loads.	Tons.
1921.....	264,244	47,711	6,786	318,741	469,961
1922.....	272,245	44,860	6,905	324,010	495,545
1923.....	280,448	50,115	6,513	337,076	515,590
1924.....	276,818	50,584	6,502	333,904	538,748
1925 *.....	239,840	46,093	5,964	291,897	488,114

* 11 months.

Collected by Contract.

DISTRICTS.	ASHES.				OFFAL.				
	Double Loads.	Auto Loads.	Cubic Yards.	Tons.	Single Loads.	Double Loads.	Auto Loads.	Cubic Yards.	Tons.
East Boston.....	11,918	633	65,920	26,862	.....	1,035	.....	3,623	2,137
Brighton.....	.....	7,076	70,760	28,834	.....	3,457	.....	12,100	7,139
West Roxbury.....	3,233	2,327	39,435	16,069	.....	87	886	9,164	5,406
Dorchester.....	32,481	7,291	235,315	95,890	643	7,065	.....	26,013	15,347
Hyde Park.....	2,365	521	17,035	6,941	.....	588	.....	2,352	1,387
Totals.....	49,997	17,848	428,465	174,596	643	12,232	886	53,252	31,416

Summary.

MATERIAL.	Cubic Yards.	Tons.
Ashes.....	428,465	174,596
Offal.....	53,232	31,416

Final Disposition of all Material in Loads and Tons (2,000 Pounds). Collected by the Sanitary Service, February 1, 1925, to December 31, 1925.

CLASS OF REFUSE.	COLEMAN DISPOSAL COMPANY.		COLLECTED AND DISPOSED OF BY CONTRACTORS.		Total Loads.	Total Tons.
	Loads.	Tons.	Loads.	Tons.		
House dirt and ashes.....	171,995	226,491	67,845	174,596	239,840	401,087
Offal.....	40,030	65,107	6,063	16,069	46,093	81,176
Waste and rubbish.....	5,964	5,851	.....	.....	5,964	5,851
Totals.....	217,989	297,449	73,908	190,665	291,897	488,114

CITY OF BOSTON SANITARY DISTRICTS 1925

3. CHARLESTOWN

POP. 36336 (43.00)
1154 lbs.
\$1.68

867 lbs.
\$.82

2. E. BOSTON

POP. 66848 (43.00)

10. N. & W. ENDS

POP. 75783 (111.00)
1433 lbs.
\$2.06

4. BRIGHTON

POP. 44637 (16.00)

1612 lbs.
\$1.70

1436 lbs. \$3.40

8.9. So. END & B. BAY

POP. 119405 (58.00)

1. So. BOSTON

POP. 73899 (51.00)

966 lbs.
\$1.38

7. ROXBURY

POP. 130575 (63.00)

1109 lbs.
\$2.35

POP. 27401 (17.00)
934 lbs.
\$1.38

POP. 151916 (43.00)
1071 lbs.
\$2.08

6. DORCHESTER

POP. 164174 (31.00)

1355 lbs.
\$1.61

5. WEST ROXBURY

POP. 34381 (5.00)

1249 lbs.
\$1.00

HYDE PARK

POP. 19671 (7.00)

841 lbs.
\$.77

FIGURES SHOW ESTIMATED
MEAN 1925 POPULATION AND
POP. PER ACRE: ALSO, TOTAL
WEIGHT OF REFUSE AND COST
PER CAPITA FOR THE YEAR.

10000 FT.

Cost of Collections and Disposal of Refuse by Contract in the City of Boston for the Year 1925.

Contract Districts and Population.	CHARACTER OF REFUSE.	Tons. (2,000 lbs.)	Total Tons.	Cost per Ton by Districts; Collection and Disposal.	COST PER DISTRICTS.		Where Disposed of.
					Cost.	Total Cost.	
2..(66,848).....	(Mixed refuse, principally ashes (no kitchen wastes).....	26,862	.....	\$1 6523	\$44,385 81	.....	Inland dumps.
	(Garbage, principally kitchen wastes.....	2,137	.....	5 0915	10,880 71	.....	*
4..(44,637).....	(Mixed refuse, principally ashes (no kitchen wastes).....	28,834	.....	Av. \$1 2161	.....	\$55,266 52	Inland dumps.
	(Garbage, principally kitchen wastes.....	7,139	.....	\$1 7495	50,445 95	.....	*
5..(34,381).....	(Mixed refuse, principally ashes (no kitchen wastes).....	16,069	.....	3 6096	25,770 90	76,216 85	Inland dumps.
	(Garbage, principally kitchen wastes.....	5,406	.....	Av. \$2 1131	.....	1 7014	*
6..(164,174).....	(Mixed refuse, principally ashes (no kitchen wastes).....	95,800	.....	\$1 2209	\$19,747 38	.....	Inland dumps.
	(Garbage, principally kitchen wastes.....	15,347	.....	2 7412	14,819 15	.....	*
11..Hyde Park..... (19,671)	(Mixed refuse, principally ashes (no kitchen wastes).....	6,941	.....	Av. \$1 6096	.....	34,566 53	Inland dumps.
	(Garbage, principally kitchen wastes.....	1,387	.....	\$1 7895	\$171,599 90	1 0051	Coleman Disposal Co. †
329,711	(Mixed refuse, principally ashes (no kitchen wastes).....	.....	.....	6 0774	93,270 61	264,870 57	Inland dumps.
	(Garbage, principally kitchen wastes.....	.....	.....	Av. \$2 3811	.....	0 7774	*
Totals.....		.....	.....	\$1 5109	\$10,487 11	.....
		.....	.....	3 5382	4,807 50	15,294 61	
		.....	.....	Av. \$1 8365	.....	\$440,215 08	
		.....	.....	.....	.....	\$1 3533	

* Removed beyond city limits and presumably fed to swine.

† Contract for disposal.

Total as above..... \$440,215 08
 Add total of day labor table (between pages 158 and 159)..... 1,431,013 59
 Net amount of appropriation..... \$1,877,228 67

Cost of Collection and Disposal of Refuse by Day Labor Force in the City of Boston for the Year Ending December 31, 1925.

Districts and Population.	CHARACTER OF REFUSE.	COST PER TON BY DISTRICTS.					COST OF DISTRICTS.						WHERE DISPOSED OF.
		Tons (2,000 lbs).	Total Tons.	To Collect.	For Disposal.	Total Collection and Disposal.	To Collect.	Total Cost to Collect.	For Disposal.	Total Cost of Disposal.	Total Cost of Collection and Disposal.	Total Cost per Capita, Collection, and Disposal.	
1 (73,890)	Mixed refuse, principally ashes (no kitchen wastes)	30,611		\$2 2764	\$0 0685	\$2 3449	\$69,684 30		\$2,099 00				Coleman Disposal Company.
	Garbage, principally kitchen wastes	5,066		6 0132		6 0132	30,473 22						Coleman Disposal Company.
	Store refuse, principally paper	83		4 0120		4 0120	333 00						Coleman Disposal Company.
			35,760					\$100,490 52		\$2,099 00	\$102,589 52	\$1 3882	
3 (36,336)	Mixed refuse, principally ashes (no kitchen wastes)	19,236		\$2 2053	\$0 2916	\$2 4969	\$42,422 67		\$5,610 33				Coleman Disposal Company.
	Garbage, principally kitchen wastes	1,733		7 6843		7 6843	13,316 99						Coleman Disposal Company.
			20,969					55,739 66		5,610 33	61,349 99	1 6885	
				Av. \$2 6582	Av. \$0 2916	Av. \$2 9498							
5 (part) and 7 (157,976)	Mixed refuse, principally ashes (no kitchen wastes)	62,454		\$4 3666	\$0 0361	\$4 4027	\$272,717 66		\$2,256 45				Coleman Disposal Company.
	Garbage, principally kitchen wastes	21,777		4 6883		4 6883	102,097 44						Coleman Disposal Company.
	Store refuse, principally paper	940		11 2431		11 2431	10,569 32						Coleman Disposal Company.
			85,171					385,384 42		2,256 45	387,640 87	2 4538	
				Av. \$4 5248	Av. \$0 0361	Av. \$4 5609							
8 and 9 (119,405)	Mixed refuse, principally ashes (no kitchen wastes)	67,636		\$4 0208	\$0 0132	\$4 0360	\$271,956 05		\$1,032 75				Coleman Disposal Company.
	Garbage, principally kitchen wastes	14,396		6 2445	0 1464	6 3909	89,896 51		2,109 86				Coleman Disposal Company.
	Store refuse, principally paper	3,702		11 2164		11 2164	41,523 20						Coleman Disposal Company.
			85,734					403,375 76		3,142 61	406,518 37	3 4045	
				Av. \$4 7049	Av. \$0 0383	Av. \$4 7432							
10 (75,783)	Mixed refuse, principally ashes (no kitchen wastes)	46,554		\$2 5350		\$2 5350	\$117,715 93						Coleman Disposal Company.
	Garbage, principally kitchen wastes	6,788		4 3514		4 3514	29,537 80						Coleman Disposal Company.
	Store refuse, principally paper	1,126		8 3580		8 3580	9,411 11						Coleman Disposal Company.
			54,468					156,664 84			156,664 84	2 0671	
				Av. \$2 8763		Av. \$2 8763							
*	Coleman Disposal Company									316,250 00	316,250 00		
463,399	Totals		282,102	Av. \$3 7550	Av. \$1 1675	Av. \$4 9232		\$1,101,655 20		\$329,358 39	\$1,431,013 59	\$2 9971	

* The amount paid to Coleman Disposal Company is for disposal of all refuse collected by the city force and Dorchester contracts.
District 6 on page 158.

Total as above	\$1,431,013 59
Add total of contract table, page 158	46,216 08
Net amount of appropriation	<u>\$1,877,228 67</u>

Coleman Disposal Company's contract calls for \$345,000 per year.

Details of Collected Refuse in Boston for the Year Ending February 28, 1925.

District	Popu- lation	Class of Labor	ASHES.												GARBAGE												WASTE AND RUBBISH.												COMBINED TOTALS OF ASHES, GARBAGE, WASTE AND RUBBISH.							
			CARTS						TOTAL.	COMBINED TOTALS		AVERAGE WEIGHT PER CUBIC YARD.		TOTAL WEIGHTS			GRAND TOTALS	CARTS						TOTALS	COMBINED TOTALS		CARTS				WAGONS			COMBINED TOTALS												
			NUMBER OF LOADS			AVERAGE CAPACITY												CARTS																							TOTALS					
			SINGLE	DOUBLE	AUTO	SINGLE	DOUBLE	AUTO										CITY	RIDE	CON- TRACT	NUMBER OF LOADS	AVERAGE CAPACITY																				TOTALS				
																						Cubic Yards	Cubic Yards																				Cubic Yards.	Cubic Yards	Single	Double
Single	Double	Auto	Cubic Yards	Cubic Yards	Cubic Yards.	Cubic Yards	Loads.	Cubic Yards	Pounds	Tons.	Tons.	Tons.	Tons.	Single	Double	Auto	Single	Double	Auto	Loads	Cubic Yards	Pounds	Tons	CITY.	CONTRACT	RIDE.	Tons.	Number of Loads	Pounds	Tons	Tons.	Number of Loads	Pounds	Tons	Tons	Loads.	Tons	Loads	Tons							
1 South Boston	71,693	City Hired	24,685	2,014	104	2.5	5	3	62,049 13,070	27,113	75,110	815	4075	25,385	5,320		30,011	3,095		500	2		3	8,558	4,294	8,558	1,150	0 59	5,066			5,066	44	1,400	7	31	47	2,290	1 1	52	91	83	31,798	55,760		
2 East Boston	66,548	Contract		11,915	633		5	10	65,920	12,551	65,920						26,862	26,862				3 5			3,623	1,035	3,623						2,137										13,686	28,099		
3 Charlestown	36,336	City	18,882			2.5		10	47,205	18,882	47,205			19,236			19,236	1,460			2				2,938	1,460	2,938			1,733													20,351	20,969		
4 Brighton	44,637	Contract			7,070			10	70,760	7,076	70,760						28,834	28,834				3 5			12,100	3,457	12,100						7,130										10,533	35,973		
5 West Roxbury	34,381	Contract		3,235	2,327		5	10	39,435								1,290					3 5	10	9,164																						
	27,401	City, Hired	1,108	2,217	165	2.5	5	10	15,505					10,000				38	87	886	2	3 5	10	8,581	1,920	17,745			5,062							110										
			62	288			5	10	3,190	9,400	58,130			6,318			23,665																													
6 Dorchester	164,174	Contract	32,481	7,291				10	235,315	39,772	235,315						95,890		643	7,065	2	3 5			26,013	7,708	26,013						* 15,347													
7 Roxbury	139,575	City Hired	11,419	7,164	2,576	2.5	5	10	100,204					40,432			54,837				3 5	2		28,331	8,633	28,331			16,715							446										
				1,758	2,558		5	10	34,370	20,505	134,574						14,405																													
8 and 9 South End and Back Bay	119,405	City, Hired	37,700	1,327	2,340	2.5	5	10	124,390					50,688			10,232		609		3	3 5	10	23,751					14,013																	
			3,075	5,189	790	2.5	5	10	41,592	50,442	165,982						16,045							650	11,236	21,401																				
10 North and West Ends	75,783	City Hired	28,262			2.5		10	70,605					28,791			46,354				2			11,506	5,753	11,506			6,788																	
			10,389		262	2.5		10	43,592	44,913	114,197						17,764																													
11 Ryde Park	19,671	Contract		2,305	521		5	10	17,035	2,886	17,035						6,941							2,352	588	2,352						1,387														
Totals	793,110		141,566	70,328	27,946				984,237	239,810	984,237			189,901	60,360	150,820	401,087	21,833	20,035	3,622				137,597	46,093	137,597			49,377	31,416	363	81,176	1,772			1,240	4,192			4,611	5,964	5,851	291,897	488,114		

* Actual weight.

SEWER AND SANITARY DIVISION—STREET
CLEANING AND OILING SERVICE.

General administration:

Salary, deputy supervisor (in part)	\$2,839 29	
Pensions, retired veterans	4,443 24	
Pensions, retired laborers	6,261 77	
Annuity, Acts of 1920 — chapter 132	550 00	
Salary, medical inspectors (in part)	824 98	
Medical inspection	257 85	
Salary, chief veterinarian (in part)	1,000 00	
Telephone	590 97	
Printing and stationery	1,318 92	
Injured employees	3,811 72	
Miscellaneous	238 00	
Auto repairs and maintenance	2,728 07	
		\$24,864 81

General expenses other than general administration:

Wages, stablemen	\$45,207 51	
Wages, yardmen	9,160 30	
Wages, watchmen	5,608 00	
Wages, clerks	4,795 91	
Hay and straw	20,662 22	
Grain	16,608 84	
Light	892 91	
Veterinary service and medicines,	372 78	
Horseshoeing	3,256 55	
Harnesses, etc.	605 00	
Fuel	888 87	
Miscellaneous	145 50	
Stable and yards, rent of	150 00	
Stable and yards, supplies	2,096 60	
Stable and yards, building repairs,	697 17	
Auto repairs and maintenance	5,341 81	
		116,489 97

Operating expenses:

Salaries, district foremen	\$19,034 79	
Salaries, inspectors	37,390 19	
Wages, laborers	367,211 38	
Hired autos	27,366 90	

Carried forward . . . \$592,358 04 \$141,354 78

<i>Brought forward</i>	\$592,358 04	\$141,354 78
Holidays and pay allowed	55,693 82	
Vacations	19,046 60	
Dumps, use of	825 00	
Snow licenses	500 00	
Cart repairs	2,587 33	
Tools and repairs	434 57	
Vehicle supplies	47 94	
Sweeping machine repairs	389 97	
Push carts and barrels	1,617 80	
Push brooms, teamster brooms, etc.	2,416 75	
Machine brooms	3,728 00	
Sand	630 57	
Water cart hose	337 96	
Flushing hose	126 50	
Refuse boxes	8,772 50	
Shovels, hoes and picks, etc.	1,372 15	
Miscellaneous	866 01	
Autos, repairs and maintenance	45,997 52	
		596,394 25
Totals		<u>\$737,749 03</u>

STREET WATERING AND OILING BRANCH.

General administration:

Salary, deputy supervisor (in part)	\$203 00	
Advertising	19 50	
Printing and stationery	74 97	
Telephone	48 94	
Miscellaneous	18 70	
Auto repairs and maintenance	992 12	
		\$1,357 23

General expenses other than general administration:

Horseshoeing	\$83 00	
Yard and stable supplies	96 51	
Auto repairs and maintenance	244 40	
		423 91

Operating expenses:

Inspectors:

Water	\$607 22	
Oil	3,160 68	
Sanding	1,237 21	
Vacation	128 32	
Holiday	135 20	
Calceide	23 02	

<i>Carried forward</i>	\$7,072 79	\$1,781 14
------------------------	------------	------------

<i>Brought forward</i>	\$7,072 79	\$1,781 14
Labor:		
Water	1,726 00	
Oil	2,159 00	
Sanding	5,117 66	
Vacation	300 07	
Holiday	991 12	
Building repairs	2,127 25	
Hired electric car sprinkler	5,176 50	
Tools	70 92	
Hose	57 00	
Hydrant repairs	254 48	
Sand	5,547 28	
Road oil	22,624 30	
Calcide	192 81	
Miscellaneous	3 70	
	<hr/>	51,639 74
Total		<hr/> <u>\$53,420 88</u>
Street Cleaning expenditures	\$737,749 03	
Street Watering and Oiling ex- penditures	53,420 88	
	<hr/> <u>\$791,169 91</u>	

DISTRIBUTION OF EXPENDITURES.

Removing snow	\$16,133 14	
Snow work on crossings and gutters,	2,319 71	
	<hr/>	\$18,452 85
Flushing streets	\$40,075 22	
Street patrolling by teams	55,934 31	
Street patrolling by push carts	195,748 43	
Refuse box collections	31,925 43	
Cleaning of paved streets	255,167 76	
Cleaning of macadam streets	82,143 04	
Cleaning of streets by Elgin and Springfield sweepers	52,752 39	
Cleaning of public alleys	1,863 12	
Sanding of slippery streets	3,686 48	
	<hr/>	719,296 18
Totals		\$737,749 03
Oiling of public streets and ways		43,579 77
Watering public streets and ways		9,841 11
		<hr/>
Totals		<u>\$791,169 91</u>

Summary.

ITEMS.	STREET CLEANING BRANCH.			STREET WATERING AND OILING BRANCH.		
	1923-24.	1924-25.	1925-26.	1923-24.	1924-25.	1925-26.
Labor.....	\$630,918 48	\$685,772 62	\$582,879 49	\$23,510 89	\$27,454 38	\$17,860 00
Teaming.....	29,825 00	14,246 50	27,366 90	20,270 00	16,153 75	5,176 50
Supplies and repairs.....	159,290 50	141,689 31	127,502 64	65,061 44	35,868 77	30,384 38
Totals.....	\$820,033 98	\$841,708 43	\$737,749 03	\$108,842 33	\$79,476 90	\$53,420 88

Cost of Snow Work and Volume Removed.

DISTRICTS.	Crossings and Gutters.	Removal.	Total Cost.	Single Loads.	Cubic Yards.	Cost per Cubic Yard.
South Boston.....	\$1,034 46	\$1,217 62	\$2,252 08	305	763	\$1 596
East Boston.....	100 12	965 47	1,065 59	266	665	1 454
Charlestown.....	853 23	371 90	1,225 13	148	370	1 005
Dorchester.....	—	—	—	—	—	—
Roxbury.....	—	—	—	—	—	—
Uptown and Back Bay.....	331 90	743 09	1,074 99	290	725	1 024
Downtown.....		3,440 18	3,440 18	1,001	2,503	1 374
North and West Ends.....		4,121 40	4,121 40	1,518	3,795	1 086
Patrol System.....		5,273 48	5,272 48	1,771	4,428	1 19
Totals.....	\$2,319 71	\$16,133 14	\$18,452 85	5,299	13,249	\$1 217

Snow Summary.

ITEMS.	Cost of Inspection, Labor and Teaming.	Cost of all Other Charges.	Total Cost.	AMOUNT OF SNOW REMOVED.		Cost per Load.	Cost per Cubic Yard.
				Loads.	Cubic Yards.		
Snow removal.....	\$13,198 95	\$2,934 19	\$16,133 14	5,299	13,249	\$3 044	\$1 217
Snow crossings and gutters.....	1,911 36	408 35	2,319 71				
Totals.....	\$15,110 31	\$3,342 54	\$18,452 85				

Macadam Streets Oiled.—Cost of Labor, Teaming, Oil, etc., Including Supervision.

DISTRICTS.	Area Oiled Once, Square Yards.	Equivalent Mile- age, 30-foot Roadway.	DATES OF OILING.		Total Cost.	Cost per Square Yard Covered Once.	Gallons Used.	Gallons per Square Yard.
			First.	Last.				
South Boston.....	319,801	18.172	June 10	July 15	\$5,589 32	\$0.0174	35,904	.1122
East Boston.....	94,762	5.384	May 12	May 13	657 34	.0069	9,000	.0949
Charlestown.....	58,438	3.320	May 18	May 30	1,233 39	.0211	7,500	.1283
Brighton.....	138,833	7.888	June 1	June 30	2,693 70	.0194	18,939	.1364
West Roxbury.....	144,949	8.236	May 20	July 24	2,917 63	.0201	21,960	.1517
Dorchester.....	773,356	43.941	May 12	July 31	14,315 00	.0185	96,540	.1248
Roxbury.....	473,134	26.883	May 12	Aug. 8	8,937 90	.0188	67,374	.1423
South End.....	167,715	9.529	May 27	June 23	4,865 79	.0290	24,000	.1430
Hyde Park.....	85,321	4.848	May 26	July 20	2,369 70	.0277	12,834	.1504
Totals.....	2,256,309	128.201	.....	.....	\$43,579 77	.....	294,051	.....
Average.....	.....	.....	.....	.....	.....	\$0.01931	.....	.1303

Cleaning of Paved Streets and Macadam Gutters (from February 1, to December 31, 1925). (Areas, Loads and Cubic Yards.)

District	PAVED STREETS		MACADAM GUTTERS		TOTAL PAVED STREETS AND MACADAM GUTTERS.	PAVED STREETS					MACADAM GUTTERS					PAVED STREETS AND MACADAM GUTTERS					LOADS OF DIRT REMOVED.						CUBIC YARDS OF DIRT REMOVED.								
	Square Yards Cleaned Once	Equivalent 30-foot Roadway Cleaned Once	Square Yards Cleaned Once	Linear Miles Cleaned Once		Inspection, Labor and Teaming	All Other Charges.	Total Cost.	Cost per Mile 30-foot Roadway Cleaned Once.	Cost per Thousand Square Yards Cleaned Once	Inspection, Labor and Teaming	All Other Charges.	Total Cost	Cost per Linear Mile Cleaned Once.	Cost per Thousand Square Yards Cleaned Once.	Inspection, Labor and Teaming	All Other Charges	Total Cost	Cost per Thousand Square Yards Cleaned Once.	PAVED STREETS		MACADAM GUTTERS		PAVED STREETS AND MACADAM GUTTERS		PAVED STREETS			MACADAM GUTTERS			PAVED STREETS AND MACADAM GUTTERS			
																				Loads.	Cost per Load	Loads.	Cost per Load	Loads	Cost per Load	Total Cubic Yards	Per Thousand Square Yards.	Cost per Cubic Yard Removed	Total Cubic Yards	Per Thousand Square Yards	Cost per Cubic Yard Removed	Total Cubic Yards	Per Thousand Square Yards	Cost per Cubic Yard Removed.	
South Boston	10,965,409	624 73	2,024,105	496 98	13,019,514	\$14,071 73	\$3,690 36	\$17,702 11	\$28 336	\$1 009	\$8,038 15	\$2,200 64	\$10,838 99	\$21 87	\$4 13	\$22,709 90	\$5,831 20	\$28,541 10	\$2 086	3,402	\$5 20	1,235	\$8 77	4,637	\$6 15	6,804	018	\$2 60	2,470	941	\$4 39	9,274	.680	\$3 08	
East Boston	7,919,537	449 97	3,992,859	756 22	11,912,396	13,746 25	1,573 64	15,819 89	34 71	1 972	15,272 22	2,057 14	17,320 36	22 91	4 34	29,018 47	3,930 78	32,940 25	2 766	2,471	6 32	2,598	6 07	5,069	0 50	4,942	.024	3 16	5,196	1 301	3 34	10,138	.851	3 25	
Charlestown	18,459,494	1,048 81	2,729,075	516 87	21,188,569	16,001 84	4,207 27	20,209 11	19 26	1 094	3,916 60	004 25	4,820 85	0 32	1 76	19,918 44	5,111 52	25,029 96	1 181	1,545	13.08	369	13.06	1,914	13 07	3,090	.167	6 54	738	276	6 53	3,826	.180	6 53	
Dorchester	14,180,766	805 72	4,062,992	769 50	18,243,748	8,101 09	1,825 57	9,929 66	11 07	.620	12,184 23	2,969 71	14,850 64	10 30	3 65	20,285 32	4,492 28	24,777 60	1 358	2,133	4.05	2,561	5 70	4,664	5 27	4,266	30	2 33	5,122	1 260	2 80	9,388	514	2 64	
Roxbury	6,817,490	387 36	967,649	183.30	7,785,339	7,403 67	835 09	8,238 76	21 27	1 208	3,751 24	424 26	4,175 50	22 77	4 31	11,154 91	1,259 35	12,414 26	1 594	1,845	4 46	1,317	3 17	3,102	3 92	3,590	641	2 23	2,634	2 721	1 69	6,324	812	1 96	
Uptown and Back Bay	29,910,693	1,663 80	7,070,206	1,339.05	36,981,099	25,721 74	3,165 89	28,887 63	17 054	.985	25,812 03	4,315 37	30,127 40	22 46	4 26	51,533 77	7,481 26	59,015 03	1 595	2,689	10.74	3,287	9 16	5,970	9 87	5,378	179	5 37	6,574	920	4 68	11,952	323	4 94	
Downtown	81,597,281	4,636 20	.....	.....	81,597,281	58,267 40	10,680 21	69,947 67	15 087	.857	.....	.....	.....	.....	.....	59,267 46	10,080 21	69,947 67	857	7,436	9 40	.....	.....	7,436	9 40	14,872	182	4 70	.....	.....	.....	14,872	182	4 70
North and West Ends	74,902,721	4,260 95	.....	.....	74,902,721	72,340 20	12,295 73	84,635 93	10 863	1 128	.....	.....	.....	.....	.....	72,340 20	12,295 73	84,635 93	1 128	10,822	7 82	.....	.....	10,822	7 82	21,644	.288	3 91	.....	.....	.....	21,644	.288	3 91
Totals	244,873,561	13,907 53	21,447,086	4,061.92	266,320,647	\$219,654 00	\$38,513 76	\$255,167 76	.....	.....	\$69,574 47	\$10,606 57	\$82,143 04	.....	.....	\$286,228 47	\$51,082 33	\$337,310 80	.....	32,343	.....	11,367	.....	43,710	.....	64,686	.....	.....	22,734	.....	.....	87,420	.....	.....
Average	\$18 347	\$1.042	\$1 206	\$7 88	\$7.226	\$7 717	204	\$3 94	1 06	\$3 613328	\$3 858

APPENDIX E.

REPORT OF THE DIVISION ENGINEER OF
THE WATER DIVISION.

BOSTON, January 1, 1926.

To the Commissioner of Public Works:

I respectfully submit the following report of the operations, income and expenditures of the Water Division for the year ending December 31, 1925.

The development of unimproved property in the suburbs, especially in West Roxbury, Dorchester and Brighton, has again continued without interruption for the entire year. The total length of 6-inch to 16-inch pipe laid for extension was 7.4 miles, all occasioned by the construction of new buildings. Again, as in the past four years, the greatest volume of work was done in West Roxbury, petitions for water service in this district calling for the laying of 3.4 miles of water pipe; and in the Brighton district 2.4 miles of water pipe were laid to satisfy the demands for water.

The larger projects during the year were the laying of 6,000 linear feet 48-inch water pipe in Commonwealth avenue, Public Garden and Boston Common, thereby continuing the 48-inch pipe laid in Beacon street and Commonwealth avenue to Massachusetts avenue years ago, and connecting same to the 40-inch, 36-inch and 30-inch mains in Boston Common. While weather conditions prevented the completion of this work on December 31, the work will be completed early in the spring of 1926, and its completion will furnish an additional supply to the low service system of the city.

The improvement of the supply to the high service area in Brighton was continued by the laying of 1,725 linear feet 24-inch pipe in Colonial road and Monastery road.

For the improvement of fire protection and to furnish the quantity of water demanded by the modern fire engine, our policy of relaying lines of old and small sized pipes with larger sizes, either 8-inch, 10-inch or

12-inch, has continued and during the year 306 linear feet of 6-inch pipe was relaid with 8-inch and 12-inch pipe in the city proper.

One thousand one hundred sixteen linear feet 6-inch pipe was relaid with 16-inch pipe in South Boston.

Five thousand five hundred thirty-seven linear feet 4-inch and 6-inch pipe was relaid with 8-inch, 10-inch and 12-inch pipe in Roxbury.

Two thousand two hundred eighty-four linear feet 4-inch and 6-inch pipe was relaid with 8-inch pipe and 12-inch pipe in Brighton. The total length of pipe relaid was 1.9 miles.

Among the greater lengths relaid were:

SOUTH BOSTON.

West First street, between B and D streets, 1,116 linear feet 6-inch relaid with 16-inch pipe.

ROXBURY.

Whiting street, from Warren street to Moreland street, 720 linear feet 4-inch and 6-inch relaid with 8-inch pipe.

Montrose street, from Warren street to Moreland street, 870 linear feet 4-inch and 6-inch relaid with 12-inch pipe.

Glenwood street, from Warren street to Cliff street, 562 linear feet 6-inch relaid with 8-inch pipe.

Crawford street, from Elm Hill avenue to Warren street, 760 linear feet 6-inch relaid with 12-inch pipe.

Adams street, from Dudley street to Yeoman street, 778 linear feet 6-inch relaid with 10-inch pipe.

All work in connection with the extension of and relaying of water pipes was performed under thirty contracts awarded at various intervals during the working season, from April to November, inclusive, and all applications for water requiring a main pipe extension were cared for without delay. During the year service pipes to the number of 2,346 were installed, varying in size from $\frac{5}{8}$ -inch to 12-inch as compared with 1,532 services laid in 1924. This continued increase of service pipes is an indication of the building activities in the suburbs. Two hundred twenty-one of the total number of services installed were 4-inch pipes to furnish sprinkler protection. Cleaning of the older pipes, laid previous to or in the early 70's, was continued, with a resultant improvement in the water system. Under a contract

with the National Water Main Cleaning Company of New York, 49,900 linear feet of 6-inch, 8-inch and 12-inch pipes were cleaned in West Roxbury. The permanent pavement of the longer thoroughfares, such as Columbia road, Adams street, Cambridge street, etc., made a severe demand on the resources of the maintenance force. In anticipation of the permanent pavement the policy has been continued of gating all post hydrants, replacing the old decaying wooden gate and hydrant boxes with either cast iron or concrete boxes, and the regulating and setting to grade all sidewalk cocks and tubes in order that every service may be controlled at the sidewalk and thereby prevent excavation in the roadway.

The regular work of the Distribution Branch, consisting of leak repairs, establishing fire and service pipes, freeing stoppages, shutting off and letting on water, etc., was handled to cause a minimum of delay or discomfort to applicants for water, to water takers, and to the travelling public.

In compliance with the Legislative Acts of 1907, relating to metering of water services, 2,066 meters were set on old services in existence previous to 1907 and 1,888 meters were set on new service pipes, a total setting of 3,954 meters. On December 31, 1925, the total number of meters in service was 88,788, and there remains to meter only miscellaneous houses in various sections of the city which, for one reason or another, are not yet metered. All services in the whole city will be metered by January 1, 1927. With 98 per cent of Boston metered the work of the Meter Branch is increasing correspondingly and in addition to the meters installed as above, 7,369 meters have been changed and reset and 2,341 meters have been repaired in service during the year.

During the last eleven months of the year 1925 the total collections for all purposes in the Water Division was \$3,233,996.13.

The statute making water bills a lien on real estate still continues to work to benefit of the Water Division in prompt payments and preventing loss in property changing owners, etc.

Respectfully submitted,

C. J. CARVEN,
Division Engineer.

FINANCIAL STATEMENT.

RECEIPTS.

Sales of water	\$3,079,830 74
Service pipes and repairs	103,446 46
Fire motor and elevator pipes new and repaired	23,905 96
Labor and materials for miscellaneous work	6,298 64
Fees for summonses	5,468 94
Accrued interest on water loans	5,000 00
Sales of merchandise	4,449 44
Sales of old materials	4,320 67
Interest on bank deposits	2,044 12
Premium on water loans	1,989 00
Damages and repairs to hydrants	1,745 03
Shutting off and letting on water	907 00
Board of horse	403 50
Forfeit on bid	300 00
Abandoned main	263 09
Testing meters	258 25
Damages to automobiles	147 06
Refund on account contract	123 45
Relocating fire pipe	120 29
Removing gate box	41 64
Sales of gasoline	34 73
Delivering water	10 57
Gross income	<u>\$3,241,108 58</u>
Transferred to City Loan account to pay Hyde Park Water Debt	\$10,000 00
Transferred to appropriation for Service Mains and Relaying Mains	50,123 45
Transferred to credit of Collecting Depart- ment	51,890 79
	<u>112,014 24</u>
Net income	<u><u>\$3,129,094 34</u></u>

EXPENDITURES.

Current expenses and extensions	\$1,309,163 72
Interest on water loans	9,800 00
Refunded water rates	527 48
Metropolitan water assessment	1,793,425 93
Total expenditures from income 1925	<u>\$3,112,917 13</u>
Balance unexpended December 31, 1925	<u>16,177 21</u>

APPROPRIATION FOR SERVICE MAINS AND RELAYING MAINS.

Balance unexpended February 1, 1925	\$26,737 35
Appropriation from water income 1925	50,123 45
Total appropriations 1925	<u>\$76,860 80</u>
Expended during fiscal year 1925 (11 months)	75,930 69
Balance unexpended January 1, 1926	<u><u>\$930 11</u></u>

APPROPRIATION FOR EXTENSION OF WATER MAINS.

Appropriation from loan authorized May 5, 1925	\$800,000 00
Expenditures during fiscal year 1925 (11 months)	515,178 10
	<hr/>
Balance unexpended January 1, 1926	<u>\$284,821 90</u>

APPROPRIATION FOR LAYING AND RELAYING STREET WATER MAINS.

Appropriation from loan authorized July 7, 1925	\$100,000 00
Expenditures during fiscal year 1925 (11 months)	26,089 21
	<hr/>
Balance unexpended January 1, 1926	<u>\$73,910 79</u>

Details of expenditures under appropriation for current expenses for the fiscal year (eleven months) ending December 31, 1925.

	EXTENSION.	
Construction of new mains	\$15,016 88	
Replacement of old mains	45,068 61	
New hydrants	2,887 20	
High Pressure Fire System	28 88	
	<hr/>	
Total extension		\$63,001 57

MAINTENANCE.

Office and Engineering Branch:			
Salaries and wages	\$42,913 52		
Traveling expenses	989 73		
Printing, stationery and post- age	1,672 43		
Miscellaneous	556 90		
	<hr/>		\$46,132 58
Income Branch:			
Salaries and wages	\$143,541 58		
Traveling expenses	2,549 65		
Printing, stationery and post- age	4,755 88		
Miscellaneous	3,250 95		
	<hr/>		154,098 06
Distribution Branch:			
Salaries and wages	\$36,293 02		
Traveling expenses	476 12		
Printing, stationery and post- age	1,762 05		
Miscellaneous	1,622 12		
	<hr/>		40,153 31
Meter Branch:			
Salaries and wages	\$16,971 30		
Traveling expenses	21 05		
New meters and setting	44,773 67		
Meters, repairing, resetting, testing, etc.	37,046 80		
	<hr/>		
Carried forward	\$98,812 82	\$240,383 95	\$63,001 57

Brought forward	\$98,812 82	\$240,383 95	\$63,001 57
Printing, stationery and post- age	307 31		
Shops	16,856 95		
Laborers' vacations	1,056 51		
Holiday	4,903 62		
Miscellaneous	471 52		
		122,408 73	
Inspection of castings		7,291 78	
Damages		22,793 47	
Yards		73,749 06	
Shops		31,150 33	
Stables		10,965 19	
Tools and repairs		28,503 20	
Main pipe relocation		5,608 70	
Main pipe repairs		111,695 06	
Service pipes, new		146,251 63	
Service pipes, changes		13,000 00	
Service pipes, repairs		112,922 85	
Hydrant changes		54,662 62	
Hydrant repairs		52,068 05	
Water posts, changes		313 85	
Water posts, repairs		1,335 44	
Fountains, new		230 81	
Fountains, changes		112 97	
Fountains, repairs		4,158 10	
Fountains, on account of ice		958 13	
Holiday		41,511 64	
Investigations		1,208 72	
Off and on water		18,736 73	
Accommodation work		3,104 49	
Work on account of Office and Engineering Branch		213 71	
Work on account of Income Branch		627 44	
Work on account of Meter Branch		477 98	
Work on account of waste detection		220 75	
Work on account of new meters		4,415 86	
Work on account of meter repairs		10,745 48	
Launch repairs and supplies		464 42	
Veterans' pensions		6,817 70	
Laborers' pensions		10,245 54	
Laborers' vacations		14,084 94	
Workmen's compensation		4,680 27	
Emergency service		60,072 63	
Municipal garage		5,801 89	
Medical inspection		550 00	
Taxes		276 50	
High Pressure Fire Service		5,168 63	
Harbor service		3,366 44	
Automobiles		41,507 62	
Expert services		372 90	
Light and power		1,628 62	
Total maintenance			1,276,864 82
Merchandise sold and stock consigned to junk			6,214 33
Stock purchased			202,664 06
			<hr/>
			\$1,548,744 78
Less stock used and disposed of			239,581 06
			<hr/>
Total expenditures from appropriation for current expenses			<u>\$1,309,163 72</u>

Details of expenditures from appropriations for Service Mains and Relaying Mains for the fiscal year (eleven months) ending December 31, 1925. (From revenue.)

EXTENSION.	
Construction of new mains	\$38,961 30
Replacement of old mains	13,740 95
New hydrants	191 00
<hr/>	
Total extension	\$52,893 25
MAINTENANCE.	
Main pipe, relocation	\$72 60
Main pipe, repairs	14 40
Service pipes, new	22,012 65
Service pipes, repairs	72 00
Hydrant changes	146 66
Hydrant repairs	454 73
New meters	250 00
Yards	14 40
<hr/>	
Total maintenance	23,037 44
<hr/>	
Total expenditures Service Mains and Relaying Mains,	<u>\$75,930 69</u>

Details of expenditures from appropriation for Extension of Water Mains for the fiscal year (eleven months) ending December 31, 1925. (From loan.)

Construction of new mains	\$431,364 78
New hydrants	4,119 36
Service pipes, new	17,420 23
High Pressure Fire Service Mains	28,360 87
Stock purchased	365,374 15
<hr/>	
	\$846,639 39
Less stock used	331,461 29
<hr/>	
Total expenditures Extension of Water Mains	<u>\$515,178 10</u>

Details of expenditures from appropriation for Laying and Relaying Street Water Mains for the fiscal year (eleven months) ending December 31, 1925. (From loan.)

Construction of new mains	\$17,084 21
Replacement of old mains	8,477 69
Service pipes new	527 31
<hr/>	
Total expenditures Laying and Relaying Street Water Mains	<u>\$26,089 21</u>

CAMBRIDGE AND COURT STREETS LOAN.

Expended for laying and relaying water pipes on account of street widening	\$8,010 84
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TREMONT STREET IMPROVEMENT LOAN.

Expended for laying and relaying water pipes on account of street widening	\$1,545 30
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RESERVE FUND.

Expended for furnishing ice for fountains	\$5,418 97
---	------------

Receipts and Expenditures, 1916-25.

Receipts.

	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925. (11 months.)
Sales of water.....	\$3,037,974 66	\$2,872,867 89	\$2,998,922 73	\$3,244,542 57	\$3,361,937 04	\$3,407,579 24	\$3,094,448 30	\$3,813,571 42	\$3,748,575 28	\$3,079,830 74
Other receipts.....	71,374 55	79,223 75	50,529 81	54,111 33	64,598 71	65,479 69	97,499 70	97,164 30	182,317 83	161,277 84
	\$3,109,349 21	\$2,952,091 64	\$3,049,452 54	\$3,298,653 90	\$3,426,535 75	\$3,473,058 93	\$3,791,948 00	\$3,910,735 72	\$3,930,893 11	\$3,241,108 58
Transfer by City Auditor.....		* 4,826 39								
Loan, extension of water mains.....										800,000 00
Loan, laying and relaying street water mains.....										100,000 00
	\$3,109,349 21	\$2,956,918 03	\$3,049,452 45	\$3,298,653 90	\$3,426,535 75	\$3,473,058 93	\$3,791,948 00	\$3,910,735 72	\$3,930,893 11	\$4,141,108 58
Balance, beginning of year.....	\$135,014 40	\$87,146 19	\$25,087 31	† 3,487 83			† \$43,733 95	† \$200,000 00	\$24,141 18	\$26,737 35
Balance, end of year.....	† 87,146 19	† 25,087 31	† 3,487 83			\$13,733 95	24,141 18	26,737 35	\$375,840 01	
Transferred to Collecting Department.....	25,774 00	27,264 14	26,165 88	30,317 74	\$33,570 54	34,596 76	40,425 42	50,522 49	58,653 80	51,890 79
Transferred to city loan account.....	407,823 86	16,000 00	124,263 90	390,095 22	209,958 26	161,000 00	250,233 01	113,570 40	16,000 00	10,000 00
Transferred to appropriation for service mains and relaying mains.....		33,000 00	30,000 00				200,000 00	208,189 00	217,638 81	50,123 45
Transferred to appropriation for High Pressure Fire Service.....							23,000 00			
Transferred to appropriation for High Pressure Fire system extension.....							100,000 00	410,000 00	175,000 00	

Expenditures.

	1916-17.	1917-18.	1918-19.	1919-20.	1920-21.	1921-22.	1922-23.	1923-24.	1924-25.	1925. (11 months.)
Current expenses.....	\$917,823 64	\$1,045,543 65	\$1,055,842 87	\$1,010,619 32	\$1,253,166 33	\$1,232,418 76	\$1,396,212 50	\$1,229,573 73	\$1,608,320 10	\$1,309,163 72
Service mains and relaying mains.....	47,868 21	97,058 88	51,599 48	3,487 83				384,038 82	215,042 67	75,930 69
Metropolitan water assessment.....	1,669,432 79	1,752,001 76	1,711,008 84	1,805,104 07	1,885,924 91	1,958,528 33	1,784,237 21	1,872,413 17	1,829,973 63	1,793,425 93
Interest.....	87,866 59	80,494 28	71,268 00	61,162 73	45,874 33	41,832 66	34,419 49	25,534 00	24,680 00	9,800 00
Refunded water rates.....	628 33	611 20	962 99	1,339 82	1,011 38	928 47	1,104 32	941 93	626 68	527 48
Loan, extension of water mains.....										515,178 10
Loan, laying and relaying street water mains.....										26,089 21
	\$2,723,619 56	\$2,975,712 77	\$2,920,682 18	\$2,881,728 77	\$3,186,006 95	\$3,233,728 22	\$3,216,023 52	\$3,512,501 65	\$3,678,643 08	\$3,730,115 13

* Transfer from Reserve Fund.

† Balance of appropriation for service mains and relaying mains.

‡ Amount expended for current expenses and extensions, there being one appropriation only.

\$3930.11 of this amount is balance of appropriation for "Service Mains and Relaying Mains";

\$16,177.21 of this amount is balance of appropriation for "Water Income"; \$284,621.90 of this

amount is balance of appropriation for "Extension of Water Mains"; \$73,010.76 of this amount

is balance of appropriation for "Laying and Relaying Street Water Mains."

COST OF CONSTRUCTION AND CONDITION OF WATER DEBT.

Cost of construction to December 31, 1925	\$20,169,684 35
Cost of construction to February 1, 1925	19,546,435 08
Increase during the year	<u>\$623,249 27</u>
Outstanding loans December 31, 1925	\$1,140,000 00
Outstanding loans February 1, 1925	250,000 00
Increase during the year	<u>\$890,000 00</u>
Cost of existing works December 31, 1925:	
Pipe yards and buildings	\$94,832 16
Engineering expenses	57,873 58
Distribution system (additions during the	
year, *\$623,249.27)	19,548,978 61
Hyde Park waterworks	468,000 00
	<u>\$20,169,684 35</u>
High Pressure Fire System (additions during the year,	
\$64,436.80)	<u>\$2,061,805 92</u>

INCOME BRANCH.

Table I.—Statement of Each Year's Water Rates, 1912 to 1925,
as of December 31, 1925.

ACCOUNT OF YEAR.	Amount Assessed.	Amount Abated.	Amount Collected.	Outstanding.
1912.....	\$3,001,771 87	\$49,937 87	\$2,943,402 48	\$8,431 52
1913.....	3,004,331 52	42,088 77	2,954,183 62	8,059 13
1914.....	3,034,885 83	41,544 93	2,970,232 82	23,108 08
1915.....	2,960,797 45	15,084 24	2,903,015 36	42,697 85
1916.....	3,130,590 53	16,390 64	3,062,818 84	51,381 05
1917.....	3,120,878 86	19,287 29	3,043,525 11	58,066 46
1918.....	3,359,714 95	98,624 99	3,197,271 71	63,818 25
1919.....	3,210,139 91	27,111 37	3,114,327 15	68,701 39
1920.....	3,503,669 88	62,017 25	3,379,988 05	61,664 58
1921.....	3,615,654 71	34,119 41	3,524,337 25	57,198 05
1922.....	3,612,706 71	31,430 86	3,521,529 03	59,746 82
1923.....	3,817,010 50	33,374 81	3,731,941 72	51,693 97
1924.....	3,832,207 42	38,030 08	3,756,908 54	37,268 80
1925.....	3,872,786 83	18,929 26	2,834,932 19	1,018,925 38
Total outstanding,				\$1,610,761 33

* Includes \$28,389.75 High Pressure Fire System Extension.

Table No. II.—Elevator, Motor and Fire Services.

Elevator services installed	—
Elevator services abandoned	1
Total number of elevator services in use December 31, 1925	507
Fire services installed.....	157
Fire services abandoned.....	1
Total number of fire services in use December 31, 1925.....	2,664
Total number of motor services in use December 31, 1925.....	96
Number of motor services metered.....	20

METER BRANCH.

Table No. I.—Statement of Work During Fiscal Year 1925.

MAKE.	New Sets.	Discontinued.	CHANGES.		Tested.	Repaired in Shop.	Resets.	Repaired in Service.
			Out.	In.				
Hersey rotary.....	3	9	112	34	125	35	1	92
Crown.....	8	18	173	21	200	24	1	21
Watch dog.....	2,520	108	865	1,912	3,616	846	123	317
Hersey disc.....	452	316	3,175	3,109	4,113	3,874	170	726
King.....	113	80	1,269	528	1,502	692	40	332
Worthington disc.....	202	99	1,350	1,015	1,685	1,269	34	514
Nash.....	3	5	101	50	109	25	.....	9
Lambert.....	6	2	58	36	66	34	.....	2
Empire.....	1	.....	12	2	13	.....	.....	1
American.....	6	14	142	115	165	177	3	164
Keystone.....	1	3	21	11	26	5	1	21
Trident.....	2	7	25	6	35	8	1	9
Hersey detector.....	9	.....	2	2	12	.....	1	48
Hersey compound.....	.....	.....	1	1	2	.....	.....	25
Federal.....	628	8	63	527	724	35	25	60
Totals.....	3,954	669	7,369	7,369	12,393	7,024	400	2,341

Table No. II.

Meters in Service December 31, 1925.

MAKE.	DIAMETER IN INCHES.										
	$\frac{3}{8}$	$\frac{1}{2}$	1	1 $\frac{1}{2}$	2	3	4	6	8	10	Totals.
Hersey disc.....	42,990	3,191	1,383	707	250	102	64	4	...	...	48,691
Hersey rotary.....	341	313	203	163	174	59	23	15	...	...	1,291
Crown.....	413	451	254	173	149	58	48	10	...	...	1,556
Nash.....	391	177	102	31	35	2	...	...	...	...	738
Lambert.....	290	107	68	17	18	...	4	...	...	...	504
Trident.....	181	6	3	4	3	16	9	2	...	...	224
Hersey detector.....	...	...	...	...	...	4	18	26	13	17	78
Worthington.....	...	8	25	1	8	11	1	...	...	...	54
Worthington disc.....	9,695	31	15	23	70	59	...	...	...	...	9,893
Keystone.....	178	173	22	2	1	9	...	2	...	...	387
Metropolitan.....	...	12	1	...	...	...	...	...	...	...	13
American.....	182	454	...	...	...	...	...	...	...	...	636
Empire.....	113	3	2	4	...	...	...	...	...	...	122
Protectus.....	...	...	...	...	...	...	1	2	2	2	7
Gem.....	...	...	...	...	1	...	...	2	...	...	3
Standard.....	5	...	...	...	...	...	...	...	...	...	5
Watch Dog.....	10,173	415	388	210	107	53	...	...	...	...	11,346
Thomson.....	6	2	...	...	...	...	...	...	...	...	8
King.....	11,285	316	168	72	59	...	...	...	...	...	11,900
Hersey compound.....	...	...	...	...	...	...	1	8	...	...	9
Federal.....	1,323	...	...	...	...	...	...	...	...	...	1,323
Totals.....	77,566	5,659	2,634	1,407	875	373	169	71	15	19	88,788

Table No. I.

Showing Length of Water Pipes and Connections Owned and Operated by the Public Works Department, Water Division (Water Service), and Number of Valves in Same December 31, 1925.

	DIAMETER OF PIPE IN INCHES.															Totals.	
	48	42	40	36	30	24	20	16	14	12	10	8	6	4	3		2
Length owned and operated December 31, 1925 (feet)...	10,533	15,980	16,081	43,535	93,707	79,567	86,520	282,834	5,041	1,548,030	441,047	891,145	1,139,493	87,705	9,442	6,696	4,757,356
Gate valves in same.....	9	4	9	20	59	72	72	638	19	4,094	1,468	3,030	3,630	571	15	16	13,656
Air valves in same.....	13	5	9	34	109	70	43	74	42	1	45	118	122	56	7	1	405
Blow-offs in same.....	1	4	3	11	34	26	46	67	.....	154	45	118	122	56	7	1	695
Length laid and relaid dur- ing year 1925.....	5,686	.....	.....	.....	.....	1,804	.....	2,572	.....	38,236	2,853	29,804	897	19	.....	437	82,308
Gate valves in same.....	1	.....	.....	.....	.....	4	.....	12	.....	158	17	130	14	3	1	1	341
Air valves in same.....	12	.....	.....	.....	.....	.....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	22
Blow-offs in same.....	2	.....	.....	.....	.....	2	.....	1	.....	11	.....	12	4	.....	.....	2	34
Length abandoned during year 1925.....	.....	.....	.....	.....	10	88	.....	293	.....	3,336	679	1,346	5,429	1,975	.....	360	13,516
Gate valves in same.....	.....	.....	.....	.....	.....	.....	.....	2	.....	16	6	8	27	6	.....	.....	65
Blow-offs in same.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	7	.....	.....	.....	1	12
Air valves in same.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Length owned and operated December 31, 1925 (feet)...	16,219	15,980	16,081	43,535	93,697	81,283	86,520	285,113	5,041	1,582,930	443,221	919,603	1,134,961	85,749	9,442	6,773	4,826,148
Gate valves in same.....	10	4	9	20	59	76	72	648	19	4,166	1,479	3,152	3,617	568	16	17	13,932
Air valves in same.....	24	5	9	34	109	74	43	74	.....	48	48	1	1	.....	1	.....	426
Blow-offs in same.....	3	4	3	11	34	28	46	68	.....	161	45	123	126	56	7	2	717

Total 914.03 miles in system.

Table No. II.

Total Number of Hydrants in System December 31, 1925.

	Lowry.	Boston Lowry.	Boston Post.	Ordinary Post.	Bachelor and Finneran Post.	Ludlow Post.	Chapman Post.	Coffin Post.	Matthews Post.	Boston.	Totals.
City proper (public).....	476	39	516	268	162	...	...	...	...	56	1,517
" (private).....	4	...	9	6	...	...	...	...	...	39	58
Roxbury (public).....	296	56	451	420	278	...	...	...	...	15	1,516
" (private).....	2	1	3	...	4	...	...	...	...	10	20
West Roxbury (public).....	32	161	493	918	227	...	...	...	...	13	1,844
" (private).....	...	...	...	15	1	...	...	...	...	1	17
Brighton (public).....	19	44	278	507	115	...	...	...	...	12	975
" (private).....	...	...	...	8	...	...	...	...	...	2	10
Dorchester (public).....	210	141	691	1,153	180	...	...	...	...	17	2,392
" (private).....	...	1	8	...	2	...	...	...	...	4	15
South Boston (public).....	109	20	259	212	47	...	...	...	...	15	662
" (private).....	3	...	...	15	...	...	...	...	...	27	45
East Boston (public).....	32	15	212	219	48	...	...	...	...	6	532
" (private).....	8	1	...	9	...	...	...	...	...	25	43
Charlestown (public).....	83	35	141	66	21	...	...	...	...	2	348
" (private).....	13	1	...	37	...	...	...	...	...	5	56
Hyde Park (public).....	...	...	26	307	46	7	127	1	...	...	514
" (private).....	...	...	...	...	...	13	55	...	4	...	72
Deer Island (private).....	...	...	1	19	...	...	...	...	...	...	20
Long Island (private).....	...	...	...	6	...	...	...	...	...	...	6
Thompson's Island (private).....	...	...	...	2	...	...	...	...	...	...	2
Gallop's Island (private).....	...	...	...	3	...	...	...	...	...	1	4
Rainsford Island (private).....	...	...	...	3	...	...	...	...	...	...	3
Quincy .....	...	...	...	9	...	...	...	...	...	...	9
Total number (public).....	1,257	511	3,067	4,070	1,124	7	127	1	...	136	10,300
Total number (private and suburban).....	30	4	21	136	3	13	55	...	4	114	380

Table No. III.

*Total Number and Aggregate Length of Service Pipes of Various Sizes
Connected With System, December 31, 1925.*

SIZE.	Total Number.	Aggregate Length in Linear Feet.
$\frac{1}{8}$ -inch.....	6,915	158,291
$\frac{3}{8}$ -inch.....	88,721	2,457,372
$\frac{1}{2}$ -inch.....	3,655	124,632
1-inch.....	5,705	202,957
1 $\frac{1}{4}$ -inch.....	598	17,636
1 $\frac{1}{2}$ -inch.....	1,743	52,320
2-inch.....	2,335	70,888
2 $\frac{1}{2}$ -inch.....	12	267
3-inch.....	1,015	28,606
4-inch.....	3,185	85,269
6-inch.....	214	24,243
8-inch.....	65	4,434
10-inch.....	15	1,771
12-inch.....	18	3,896
16-inch.....	5	448
Totals.....	* 114,201	3,233,030

* The completion of the metering of all services to within 5 per cent of the total number of live service pipes discloses the fact that the total number of service pipes will not exceed 90,000. The large discrepancy is found to be due to the fact that previous to 1880 no deductions were made for pipes abandoned, etc.

Table No. IV.

Summary of Hydrant Repairs.

CAUSE OF REPAIRS.	Number of Jobs.	Cost.
Boxes raised, lowered, reset, repaired and renewed.	319	\$4,844 06
Barrels changed, relocated, reset and repaired.	96	2,803 42
Frost.	41	348 44
Paint worn off.	2,646	5,087 99
Contractors, corporations other departments and divisions. . .	116	9,305 09
Street construction and repairs.	346	719 50
Repaving on account of repairs.	861	6,791 57
Traffic.	123	381 48
Hydrants inspected, oiled, cleaned and pumped, wasted and cleared of snow.	38,471	8,647 83
Salt delivered to Fire Department — 3,000 bags.		3,347 53
Changing thread on nozzles	42	891 47
Totals.	43,061	\$43,168 19

Cost of Extension of Main Pipe.

STREET.	Location.	District.	Size. (Inch.)	Feet.	Cost of Department Materials, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Remarks.
Spring court.....	From 117 Fellows street.....	Roxbury.	2	145	\$193 81	\$174 07	.....	\$367 88	Private, macadam.
Dunn's terrace.....	From Minot street.....	Dorchester.	2	132	85 57	120 00	.....	205 57	Public, macadam.
N o r t h M e a d S t r e e t court.	Bunker Hill street and Wood place,	Charlestown.	2	62	74 76	37 00	.....	111 76	Private, macadam.
Mead Street court.....	Main and Russell streets.....	Charlestown.	2	68	62 53	66 37	.....	128 90	Private, macadam.
	Totals.....	.....	2	407	\$416 67	\$397 44	.....	\$814 11	
Bowman street.....	From Chickatawbut street.....	Dorchester.	6	197	\$317 31	\$279 13	.....	\$596 44	Private, macadam.
Hayes street.....	From Dudley avenue.....	West Roxbury.	6	74	129 04	123 88	\$5 75	258 67	Private, clay.
Romona park.....	From Bigelow street.....	Brighton.	6	180	370 54	312 00	15 45	697 99	Private, clay.
Glencoe street.....	From Elmira street.....	Brighton.	6	141	219 42	178 80	23 00	421 22	Private, clay.
	Totals.....	.....	6	592	\$1,036 31	\$893 81	\$44 20	\$1,974 32	
Lincoln street.....	Between Beach and Kneeland streets.	City Proper.	8	178	\$523 83	\$342 45	\$19 01	\$885 29	Public, granite block and concrete base.
Power street.....	Between Dorchester avenue and Boston street.	South Boston.	8	195	420 86	101 05	.....	521 91	Public, macadam.
Richards street.....	Between Granite and A streets.....	South Boston.	8	102	204 52	190 19	11 54	466 25	Public, granite block and concrete base.
St. Andrew road.....	Between Teragram and Annavoy streets.	East Boston.	8	435	959 96	591 52	37 05	1,588 53	Private, gravel.
Nancia street.....	Between St. Andrew road and Bayswater street.	East Boston.	8	342	704 83	436 45	45 35	1,246 63	Private, gravel.

Lillian street.....	Between St. Andrew road and Bayswater street.	East Boston.	8	214	459 80	260 02	27 47	747 29	Private, gravel.
Ashley street.....	From Breed street.....	East Boston.	8	150	228 22	234 00	16 50	478 72	Private, mud.
Milton street.....	From Moore street.....	East Boston.	8	284	679 33	464 63	17 25	1,161 21	Private, sand and gravel.
Ashley street.....	Between Leyden and Whitley streets,	East Boston.	8	247	563 03	297 20	17 97	878 20	Public, sand and gravel.
St. Andrew road.....	Between Waupello road and Teragram street.	East Boston.	8	440	939 84	564 00	51 75	1,575 59	Public, hard clay.
Hillsboro street.....	Between Groom and Beckwith streets.	Roxbury.	8	179	214 70	220 70	29 47	464 87	Private, gravel.
Harrow street.....	At Hillsboro street.....	Roxbury.	8	31	90 11	31 00	2 88	123 99	Public, clay.
Stonholm street.....	Norway and Bickerstaff streets.....	Roxbury.	8	305	624 75	656 25	14 38	1,295 38	Public, gravel.
Crafts street.....	Jamaicaway and South Huntington avenue.	Roxbury.	8	72	141 85	72 00	8 63	222 48	Private, gravel.
Mt. Pleasant street.....	From Ruthven street.....	Roxbury.	8	222	394 49	349 50	23 00	766 99	Private, gravel.
Pierson street.....	Between Massachusetts avenue and Allerton street.	Roxbury.	8	427	819 32	467 00	23 00	1,309 32	Private, gravel and clay.
Bellevue street.....	From Hamilton street.....	Dorchester.	8	42	174 27	100 00	1 44	275 71	Public, macadam.
Auckland street.....	From Bay street.....	Dorchester.	8	314	721 49	321 50	26 60	1,069 59	Public, gravel.
Brook street.....	From Patterson street.....	Dorchester.	8	261	413 92	396 00	17 25	827 17	Private, gravel.
Wilder road.....	Between Columbia road and Nor-mandy street.	Dorchester.	8	159	410 25	565 30	37 38	1,012 93	Private, rock and gravel.
Columbia avenue.....	From Locust street.....	Dorchester.	8	40	155 79	50 00	3 60	209 39	Private, gravel.
Collins street.....	From Blue Hill avenue.....	Dorchester.	8	60	81 85	289 50	7 47	378 82	Private, rock.
Delmont road.....	At Adams street.....	Dorchester.	8	20	122 33	79 12	.....	201 45	Private, gravel.

Cost of Extension of Main Pipe. — Continued

STREET.	Location.	District.	Size. (Inch.)	Feet.	Cost of Depart- ment Materials, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Remarks.
Wilder road.....	From Columbia road.....	Dorchester.	8	182	\$254 30	\$340 50	\$3 20	\$598 00	Private, gravel.
Washington avenue.....	From Locust street.....	Dorchester.	8	28	138 16	35 00	2 88	176 04	Private, gravel.
Agawan street.....	Neponset avenue and Train street..	Dorchester.	8	424	990 00	81 47	43 44	1,114 91	Public, sand and gravel.
Flint street.....	From Norfolk street.....	Dorchester.	8	252	637 52	668 46	57 50	1,363 48	Public, rock.
Astoria street.....	Flint and Elizabeth streets.....	Dorchester.	8	427	837 36	690 98	41 69	1,570 03	Public, rock and clay.
Guild road.....	At Elm road.....	Dorchester.	8	14	114 16	22 40	2 88	139 44	Private, gravel.
Burgoyne street.....	At Elm road.....	Dorchester.	8	14	118 24	22 40	2 88	143 52	Private, gravel.
Donald road.....	From Blue Hill avenue.....	Dorchester.	8	9	28 28	11 82	.....	40 10	Public, macadam.
Barrington street.....	At Elm road.....	Dorchester.	8	26	125 22	41 60	2 88	169 70	Private, gravel.
Hosmer street.....	From Norfolk street.....	Dorchester.	8	108	151 29	141 10	11 50	303 89	Private, loam.
Regina road.....	From Washington street.....	Dorchester.	8	144	365 39	234 50	8 15	608 04	Private, gravel.
Cushing Hill road.....	From Hill Top street.....	Dorchester.	8	308	529 68	539 00	47 91	1,116 59	Public, sand and gravel.
Christopher street.....	From Dorchester avenue.....	Dorchester.	8	209	485 78	397 90	22 50	906 18	Public, under construction.
Wilder road.....	From Normandy street.....	Dorchester.	8	202	339 49	344 80	10 86	695 15	Private, gravel.
Rosemont road.....	Between Adams and Florida streets,	Dorchester.	8	1,429	3,091 87	1,906 80	177 53	5,176 20	Private, gravel.
Wabash street.....	From Elm street.....	Dorchester.	8	245	575 20	287 55	23 00	885 75	Private, gravel and clay.
Foss road.....	At Elm road.....	Dorchester.	8	10	36 83	16 00	2 88	55 71	Private, gravel.

Beechwood street.....	From Wales place.....	Dorchester.	8	178	411 51	332 25	27 31	771 07	Private, gravel.
Wilcox road.....	At Elm road.....	Dorchester.	8	14	106 36	22 40	2 88	131 64	Private, gravel.
Bates road.....	At Elm road.....	Dorchester.	8	22	118 68	35 20	2 88	156 76	Private, gravel.
Cranston road.....	From Willowdean avenue.....	West Roxbury.	8	47	922 22	59 00	5 75	986 97	Private, gravel and sand.
Willowdean avenue.....	From Weld street.....	West Roxbury.	8	509	827 17	535 82	28 75	1,391 74	Private, gravel and sand.
Greaton road.....	Between Schirmer road and Weld street.	West Roxbury.	8	642	1,319 04	828 86	92 00	2,269 90	Public, clay.
Birch road.....	Between Dana and Cottage road.....	West Roxbury.	8	733	2,658 40	1,590 06	192 50	4,740 96	Private, rock and clay.
Autumn street.....	Between Centre and Summer streets	West Roxbury.	8	400	1,036 45	751 59	69 00	1,857 04	Public, rock and clay.
Mansfield street.....	From Alpheus road.....	West Roxbury.	8	28	127 01	29 00	2 88	158 89	Private, clay.
Lark street.....	From Bellevue street.....	West Roxbury.	8	274	543 45	467 70	14 38	1,025 53	Private, clay.
Roseway street.....	From Centre street.....	West Roxbury.	8	229	475 03	290 16	19 01	784 20	Private, mixed loam.
Mansfield street.....	From Weeks avenue.....	West Roxbury.	8	132	248 47	204 00	19 01	471 48	Private, clay.
Bates street.....	From Jeffers street.....	West Roxbury.	8	62	447 25	246 50	14 38	708 13	Private, clay.
Bates street.....	From Alpheus road.....	West Roxbury.	8	174					
Marion street.....	From Center street.....	West Roxbury.	8	173	341 62	243 00	6 79	591 41	Private, clay.
Lark street.....	Between Bellevue and La Grange streets.	West Roxbury.	8	122	311 25	189 37	6 11	506 73	Private, clay.
Swallow street.....	From Sparrow street.....	West Roxbury.	8	116	237 69	285 41	37 38	560 48	Private, clay and rock.
Frances street.....	From Keith street.....	West Roxbury.	8	164	498 07	179 00	5 75	682 82	Private, clay and gravel.
Keith street.....	Between Temple and Frances streets.	West Roxbury.	8	225	413 75	245 00	14 38	673 13	Private, clay and gravel.
Theodore Parker road..	Between Weld street and Shlirmer road.	West Roxbury.	8	266	701 01	342 80	109 25	1,153 06	Public, clay.

Cost of Extension of Main Pipe.— Continued.

Street.	Location.	District.	Size. (Inch.)	Feet.	Cost of Depart- ment Materials, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Remarks.
Nut street.....	From North avenue.....	West Roxbury.	8	192	\$409 62	\$161 00	\$17 25	\$587 87	Private, sand and gravel.
Nut street.....	From Glendale road.....	West Roxbury.	8	161	304 74	217 00	11 50	533 24	Private, gravel.
Glendale road.....	Between George and Keystone streets.	West Roxbury.	8	424	843 73	461 01	34 50	1,339 24	Private, sand and gravel.
Dent street.....	Between No. 61 and No. 91.	West Roxbury.	8	498	964 66	578 56	34 50	1,577 72	Private, clay.
Hayes street.....	Between Beech and Washington streets.	West Roxbury.	8	335	772 19	378 81	28 75	1,179 75	Loam and clay.
Manning street.....	From Gilman street.....	West Roxbury.	8	271	698 16	301 00	11 50	1,010 66	Private, sand.
Pomona avenue.....	Between Cheswick road and Sanborn avenue.	West Roxbury.	8	260	656 49	293 00	6 75	956 24	Private, gravel and clay.
Roslindale avenue.....	From Beech street.....	West Roxbury.	8	437	843 13	528 00	11 50	1,382 63	Private, ash and clay.
Graham terrace.....	From Maple street.....	West Roxbury.	8	211	566 12	293 99	17 25	877 36	Private, clay.
Worley street.....	From Corey street.....	West Roxbury.	8	165	309 91	193 16	4 50	507 57	Private, clay.
Caspar street.....	From Lasell street.....	West Roxbury.	8	317	646 78	355 88	14 38	1,017 04	Private, gravel and sand.
Cedar street.....	From Washington street.....	West Roxbury.	8	384	825 24	431 23	34 50	1,290 97	Private, clay.
Bellevue terrace.....	From Bellevue street.....	West Roxbury.	8	198	504 19	226 50	11 50	742 19	Private, clay.
Littledale street.....	From Dale street.....	West Roxbury.	8	319	670 41	345 00	17 25	1,032 66	Loam and clay.
Goodrich road.....	From Centre street.....	West Roxbury.	8	132	183 82	136 00	5 75	325 57	Private, loam.

Maynard street.....	Between Poplar street and Metropolitan avenue.	West Roxbury.	8	827	1,724 44	951 50	48 88	2,724 82	Public, gravel and clay.
Willowdean avenue.....	From Wold street.....	West Roxbury.	8	355	779 69	399 41	18 69	1,197 79	Private, gravel and clay.
Hester street.....	Between Turner and Beechcroft streets.	West Roxbury.	8	238	464 61	236 53	22 00	723 14	Private, loam and clay.
Brayton way.....	Between Brayton road and Nonantum street.	Brighton.	8	213	484 81	248 17	25 88	758 86	Private, clay.
Euston road.....	At Colonial road.....	Brighton.	8	45	160 50	165 00	3 59	329 09	Private, rock and clay.
Brayton way.....	Between Brayton way and Newton line.	Brighton.	8	656	1,268 17	714 79	69 00	2,051 96	Private, clay.
Smith street.....	At North Harvard street.....	Brighton.	8	27	161 46	237 92	23 00	422 38	Private, gravel.
Taylor street.....	Between Willoughby and Lake streets.	Brighton.	8	308	721 64	351 01	28 75	1,101 40	Private, gravel and clay.
Willoughby street.....	Between Rogers park and Kenrick street.	Brighton.	8	506	1,143 17	579 15	34 50	1,756 82	Private, filled land.
Flagg street.....	Between Lake and Willoughby streets.	Brighton.	8	306	803 40	339 59	17 25	1,160 24	Private, gravel and clay.
Gerald road.....	From 2031 Commonwealth avenue..	Brighton.	8	409	914 24	447 76	34 50	1,396 50	Private, clay.
Rawson road.....	Between Ransom road and Claymoss road.	Brighton.	8	628	2,065 72	648 00	74 75	2,788 47	Private, rock.
Pama Gardens.....	From Foster street.....	Brighton.	8	227	618 61	259 50	17 25	895 36	Private, loam and clay.
Taylor street.....	Between Willoughby and Kenrick streets.	Brighton.	8	518	1,132 79	506 01	33 00	1,671 80	Private, clay and rock.
Kadnor road.....	Between Foster street and Kirkwood road.	Brighton.	8	604	1,082 54	685 58	43 13	1,811 25	Public, rock and clay.
Rogers Park avenue.....	Between Lake and Foster streets....	Brighton.	8	922	2,742 01	1,022 04	44 00	3,808 05	Private, loam and clay.

Cost of Extension of Main Pipe.— Continued.

STREET.	Location.	District.	Size. (Inch.)	Feet.	Cost of Depart- ment Materials, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Remarks.
Goodenough street.....	Between Faneuil and Barker streets.	Brighton.	8	176	\$314 21	\$137 50	\$22 00	\$493 71	Private, sand and gravel.
Bostonia avenue.....	From Regent street.....	Brighton.	8	274	588 51	310 00	28 75	927 26	Private, hard clay.
DeForest street.....	From Asheville road.....	Hyde Park.	8	25	139 39	19 00	5 75	164 14	Private, clay and gravel.
Halloran road.....	From DeForest street.....	Hyde Park.	8	287	649 67	316 87	23 00	989 54	Private, gravel and clay.
Coronada road.....	From Belnel road.....	Hyde Park.	8	252	476 24	279 00	22 50	777 74	Private, gravel.
Hopewell road.....	Between Osceola street and Belnel road.	Hyde Park.	8	230	581 66	335 66	16 29	933 61	Private, gravel.
Adams street.....	From River street.....	Hyde Park.	8	267	1,028 74	837 00	57 50	1,923 24	Private, gravel.
Friendship road.....	At Belnel road.....	Hyde Park.	8	40	124 85	38 50	2 88	166 23	Private, gravel.
Ruskin road.....	Between Wood avenue and No. 136,	Hyde Park.	8	136	194 04	190 87	17 25	402 16	Private, rock and clay.
Coronada road.....	At Belnel road.....	Hyde Park.	8	40	180 39	38 50	2 88	221 77	Private, gravel.
Rockdale street.....	Between Oakland street and Randolph road.	Hyde Park.	8	564	1,099 08	1,013 33	40 73	2,153 14	Private, gravel and rock.
Magee street.....	Between Austin street and Lodge Hill road.	Hyde Park.	8	741	1,110 32	954 42	46 00	2,110 74	Private, gravel and clay.
	Totals.....		8	27,385	\$63,036 63	\$36,921 53	\$2,656 14	\$102,614 30	
Whitmore street.....	Harvard and Kneeland streets.....	City Proper.	10	76	\$258 30	\$107 40	\$23 00	\$388 70	Public asphalt.
Devonshire street.....	Summer street and Winthrop square	City Proper.	10	126	1,353 62	332 64	33 94	1,720 20	Public, granite block and concrete base.
Russett road.	Shirmer road and Weld street.....	West Roxbury.	10	582	1,714 47	803 10	132 25	2,649 82	Private, clay.

Wren street.....	West from Martin street.....	West Roxbury.	10	300	804 23	358 96	23 00	1,246 19	Private, clay.
Guernsey street.....	From Tyndale street.....	West Roxbury.	10	72	143 89	252 00	5 75	401 64	Private, clay.
Roanoke road.....	Kenebec and Weybosset streets....	Hyde Park.	10	209	843 51	351 56	21 04	1,216 11	Private, gravel and rock.
	Totals.....		10	1,365	\$5,178 02	\$2,205 66	\$238 98	\$7,622 66	
Court street.....	Howard street and Bowdoin square.	City Proper.	12	678	\$3,332 09	\$1,546 46	\$88 41	\$4,966 96	Public, under construction.
Harvard street.....	Washington street and Harrison avenue.....	City Proper.	12	114	823 53	167 00	37 38	1,027 91	Public, wood block.
Binford street.....	Necoco and A streets.....	South Boston.	12	352	1,032 70	538 95	40 25	1,601 90	Private, under construction.
Warrenton street.....	At Tremont street.....	City Proper.	12	37	258 53	111 00	5 75	375 28	Public, under construction.
Tremont street.....	Warrenton street and Seaver place..	City Proper.	12	439	1,576 30	1,737 00	34 50	3,367 80	Public, under construction.
Necoco street.....	Melcher and Binford street.....	South Boston.	12	776	2,613 21	1,327 45	40 24	4,010 91	Private, under construction.
A street.....	Richards street and Mt. Washington avenue.....	South Boston.	12	393	1,325 74	888 64	44 80	2,259 18	Public, granite block and concrete base.
Teragram street.....	St. Andrew road and Bayswater street.....	East Boston.	12	316	1,149 78	413 45	23 00	1,586 23	Public, sand and gravel.
Teragram street.....	St. Andrew road and Saratoga street,	East Boston.	12	205	943 36	272 40	23 00	1,238 76	Private, gravel.
Annauoy street.....	Bayswater and Saratoga street.....	East Boston.	12	540	2,002 84	745 27	66 43	2,814 54	Private, gravel.
Riverway.....	Deaconess and Pilgrim roads.....	Roxbury.	12	568	2,056 12	894 77	74 75	3,025 64	Public, sand.
Jamaicaway.....	Huntington avenue and Crafts street,	Roxbury.	12	782	2,600 10	1,031 45	66 13	3,787 68	Park Department, sand and gravel.
Almont street.....	Blue Hill and Savannah avenues...	Dorchester.	12	974	2,830 29	2,249 46	101 25	5,171 00	Public, clay and rock.
Valley street.....	From Dorchester avenue.....	Dorchester.	12	166	565 42	199 94	11 50	776 86	Private, ash dump.
Lenoxdale avenue.....	Milton and Hill Top streets.....	Dorchester.	12	110	284 81	166 50	14 38	465 69	Public, gravel.

Cost of Extension of Main Pipe.— Continued.

STREET.	Location.	District.	Size (Inch.)	Feet.	Cost of Depart- ment Materials, etc.	Cost of Labor.	Cost of Inspec- tion.	Total Cost.	Remarks.
Floyd street.....	At Almont street.....	Dorchester.	12	48	\$153 56	\$472 00	\$16 29	\$641 85	Private, rock.
Locust street.....	From Buttonwood street.....	Dorchester.	12	351	1,477 41	536 87	23 00	2,037 28	Public, under construction.
Elm road.....	Burgoyne road and Carruth street..	Dorchester.	12	1,406	1,163 20	2,406 00	54 63	3,623 83	Private, gravel.
Freeport street.....	At end of street.....	Dorchester.	12	79	218 98	126 40	9 35	354 73	Public, macadam.
Elm road.....	At Adams street.....	Dorchester.	12	52	420 23	206 93	.....	627 16	Private, gravel.
Fuller street.....	Milton avenue.....	Dorchester.	12	137	495 18	335 82	23 00	854 00	Private, clay.
Normandy street.....	Washington and Seaver streets.....	Dorchester.	12	479	1,375 52	965 10	38 79	2,379 41	Public, rock.
Hollywood road.....	From Willowdean avenue.....	West Roxbury	12	427	1,543 06	657 35	54 63	2,255 04	Private, gravel and sand.
Alpheus road.....	Mansfield and Bates streets.....	West Roxbury.	12	232	795 04	308 50	28 75	1,132 29	Private, clay.
Beech street.....	From Bates street.....	West Roxbury.	12	147	421 11	232 50	11 50	665 11	Private, clay.
Cheswick road.....	From Pomona avenue.....	West Roxbury.	12	152	500 83	171 60	2 25	674 68	Private, gravel.
West Roxbury Parkway	From Newberg street.....	West Roxbury.	12	159	676 60	224 00	11 50	912 10	Public, land, Metropolitan Park system.
Cheswick road.....	From Pomona avenue.....	West Roxbury.	12	268	918 42	391 35	14 38	1,324 15	Private, gravel and clay.
Beech street.....	Poplar street and Alpheus road.....	West Roxbury.	12	421	1,328 94	383 63	29 51	1,742 08	Private, hard clay.
Weeks avenue.....	Mansfield street and Alpheus road....	West Roxbury.	12	580	1,696 54	668 01	27 83	2,392 38	Private, clay.
Alpheus road.....	Between Weeks avenue and Mans- field street.	West Roxbury.	12	211	764 20	261 21	12 90	1,038 31	Private, clay.

Mansfield street.....	Between Jeffers street and Weeks avenue.	West Roxbury.	12	256	922 54	321 58	23 76	1,267 88	Private, yellow clay.
Louder's lane.....	From Centre street.....	West Roxbury.	12	48	129 51	112 00	6 11	247 62	Public, clay.
Tarleton road.....	Between Temple street and Cheswick road.	West Roxbury.	12	541	1,829 76	742 02	28 75	2,600 53	Private, gravel and clay.
Stratford street.....	From West Border road.....	West Roxbury.	12	364	1,153 47	538 38	31 63	1,723 48	Private, clay and hardpan.
Bates street.....	From Beech street.....	West Roxbury.	12	153	584 88	169 50	6 79	761 17	Private, clay.
Gretter road.....	Weld street and Parmenter road.....	West Roxbury.	12	381	1,201 60	482 55	20 13	1,704 28	Private, gravel and clay.
Cheswick road.....	From Tarleton road.....	West Roxbury.	12	214	649 29	270 00	17 25	936 54	Private, gravel and clay.
Parmenter road.....	From Gretter road.....	West Roxbury.	12	498	2,069 66	647 20	35 94	2,752 80	Private, clay, rock hardpan.
Church street.....	From Weld street.....	West Roxbury.	12	266	977 78	407 75	120 75	1,506 28	Public, clay.
Bireh road.....	Between Cottage road and Grove street.	West Roxbury.	12	146	449 71	347 30	38 50	835 51	Private, rock and clay.
Arbborough road.....	Conway street and Arnold Arboretum.	West Roxbury.	12	908	3,028 82	1,165 76	135 13	4,329 71	Private, clay.
Jeffers street.....	Between Bates and Mausfield streets.	West Roxbury.	12	247	902 01	299 13	11 54	1,212 71	Private, yellow clay.
Kenrick street.....	Between Willoughby and Taylor streets.	Brighton.	12	554	1,682 01	753 24	40 25	2,475 50	Private, ash filled.
Colonial road.....	At Path connecting between.....	Brighton.	12	43	328 81	63 00	3 59	395 40	Private, rock and gravel.
Colonial path.....	At Colonial road.....	Brighton.	12	44	402 07	75 00	3 59	480 66	Private, ash filled.
Colonial road.....	Between Euston and Monastery roads.	Brighton.	12	459	1,646 64	1,064 03	20 84	2,731 51	Private, rock and gravel.
Washington street.....	At Monastery road.....	Brighton.	12	34	565 87	67 50	6 47	639 84	Private, gravel.
South Hobart street.....	Between Bennett and Oakland streets.	Brighton.	12	275	952 77	549 09	11 50	1,513 36	Private, clay.

Cost of Extension of Main Pipe.—Concluded.

STREET.	Location.	District.	Size (Inch.)	Feet.	Cost of Depart- ment Materials, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Remarks.
Ashford street.....	Between Babcock and Malvern streets.	Brighton.	12	830	\$2,475 57	\$1,199 36	\$37 38	\$3,712 31	Public, gravel and clay.
North Harvard street...	Between Smith street and Charles River Reservation.	Brighton.	12	1,615	5,206 21	2,247 85	178 25	7,632 31	Public, macadam.
Monastery road.....	Colonial road and Union street.....	Brighton.	12	146	532 82	247 56	6 47	786 85	Public, gravel.
Kirkwood road.....	Between Foster and South streets...	Brighton.	12	1,065	3,486 45	1,449 58	48 88	4,984 91	Public, clay and rock.
Beecheroff street.....	From Hester street.....	Brighton.	12	186	748 62	268 50	11 00	1,028 12	Private, clay.
Kenrick street.....	From Taylor street.....	Brighton.	12	62	305 00	123 45	8 25	436 70	Private, ash dump.
De Forest street.....	Between Asheville and Hollon roads,	Hyde Park.	12	247	870 02	296 80	17 25	1,184 07	Private, gravel and clay.
Asheville road.....	Between DeForest and Beach streets,	Hyde Park.	12	946					
Asheville Path.....	Between West and DeForest streets,	Hyde Park.	12	440	4,791 08	1,966 40	138 00	6,805 48	Private, clay and gravel.
Goff street.....	From Asheville road.....	Hyde Park.	12	25					
Asheville road.....	Between Goff and DeForest streets,	Hyde Park.	12	225					
West street.....	Between Austin and Beech streets...	Hyde Park.	12	2,756	8,325 76	3,169 25	247 25	11,742 26	Public, macadam.
Asheville path.....	From West street.....	Hyde Park.	12	43					
Beech street.....	Between Asheville road and Poplar street.	Hyde Park.	12	664	1,744 66	837 35	34 50	2,616 51	Private, clay.
Austin street.....	Between West and Chestnut streets,	Hyde Park.	12	1,249	3,383 58	1,444 00	92 00	4,919 58	Public, macadam.

Belmel road.....	Between River street and Friendship road.	Hyde Park.	12	647	1,921 54	935 24	57 50	2,914 28	Private, gravel and rock.
Austin street.....	From West street.....	Hyde Park.	12	1,256	3,475 27	1,620 38	86 25	5,181 90	Private, gravel and clay.
Metropolitan avenue. . .	From Beacon and Highland streets...	Hyde Park.	12	165	352 99	320 47	17 25	690 71	Public, clay and rock.
	Total.....	.....	12	29,597	\$94,550 44	\$44,848 23	\$2,572 84	\$141,971 51	
West Roxbury Parkway	Between Beech and Pelton streets. .	West Roxbury.	16	478	\$2,283 64	\$723 59	\$34 50	\$3,041 73	Public, sand and clay. Metropolitan Park lands.
Charles River Reservation.	At North Harvard street.	Brighton.	16	63	541 92	104 46	11 50	657 88	Sand and gravel.
Charles River Reservation.	Between North Harvard street and Western avenue.	Brighton.	16	740	3,659 27	2,190 78	143 75	5,993 80	Sand and gravel.
	Totals.....	.....	16	1,281	\$6,484 83	\$3,018 83	\$189 75	\$9,693 41,	
Monastery road.....	Between Colonial road and Washington street.	Brighton.	24	774	\$6,144 83	\$2,451 32	\$46 00	\$8,642 15	Public, gravel.
Colonial road.....	Between Commonwealth avenue and Monastery road.	Brighton.	24	892	6,438 60	3,685 44	53 90	10,177 94	Private, rock and gravel.
	Totals.....	.....	24	1,666	\$12,583 43	\$6,136 76	\$99 90	\$18,820 09	
Commonwealth avenue.	At Massachusetts avenue and Public Garden.	City Proper.	48	5,686	\$140,559 74	\$122,240 22	\$1,130 02	\$263,929 98	Public, asphalt and macadam.

Cost of Replacement of Main Pipe.

STREET.	Location.	District.	Size (Inch.)	Feet.	Cost of Depart- ment Material, etc.	Cost of Labor.	Cost of Inspec- tion.	Total Cost.	Original Size. (Inch.)	Remarks.
Linden court.....	From Linden street.....	Dorchester.	2	181	\$175 45	\$215 93	.....	\$391 38	8	Private, macadam.
	Total.....			.....	.....	.....	.....	.....
Myrtle street.....	From Glenwood street.....	Roxbury.	6	34	\$108 28	\$24 15	\$2 88	\$135 31	4	Public, macadam.
Dever street.....	From Bowdoin street.....	Dorchester.	6	198	406 89	423 88	.....	830 77	1½	Private, gravel.
	Totals.....		6	232	\$515 17	\$448 03	\$2 88	\$966 08		
Hanover street.....	At Court street.....	City Proper.	8	48	\$210 04	\$247 55	.....	\$457 59	12	Public, under construction.
Whiting street.....	Between Warren and Moreland streets.	Roxbury.	8	545	1,224 33	1,516 83	\$81 94	2,823 10	4, 6	Public, macadam.
Glenwood street.....	Between Warren and Cliff streets,	Roxbury.	8	537	1,288 40	776 98	97 26	2,162 64	6, 4	Public, macadam.
Aspen street.....	From Montrose street.....	Roxbury.	8	25	163 12	31 25	6 49	200 86	6	Public, macadam.
Ambrose street.....	Between Chadwick and Albany streets.	Roxbury.	8	328	892 14	448 41	16 50	1,357 05	6	Public, macadam.
	Totals.....		8	1,483	\$3,778 03	\$3,021 02	\$202 19	\$7,001 24		
Dacia street.....	At Quincy street.....	Roxbury.	10	29	\$227 06	\$142 07	.....	\$369 13	6	Public, macadam.
Adams street.....	Between Dudley and Yeoman streets.	Roxbury.	10	745	1,965 93	1,328 40	\$39 19	3,333 52	6	Public, macadam.
Batterymarch street.....	Between Water and Milk streets,	City Proper.	10	210	832 92	630 00	34 50	1,497 42	6	Public, wood block.
	Totals.....		10	984	\$3,025 91	\$2,100 47	\$73 69	\$5,200 07		

Warrenton street.....	At Tremont street.....	City Proper.	12	47	196 86	200 00	5 75	402 61	6	Public, granite block.
Quincy street.....	At Dacia street.....	Roxbury.	12	22	43 31	111 02	.....	154 33	8	Public, macadam.
Francis street.....	Between Pilgrim road and Brookline avenue.	Roxbury.	12	357	1,028 21	402 50	60 38	1,491 09	6	Public, gravel.
Crawford street.....	Between Warren street and Humbolt avenue.	Roxbury.	12	773	2,597 18	1,182 54	112 13	3,891 85	6	Public, macadam.
Chadwick street.....	Between Yeoman and Ambrose streets.	Roxbury.	12	320	1,243 05	425 49	27 50	1,696 04	6	Public, macadam.
Orchard Park street.....	Between Chadwick and Adams streets.	Roxbury.	12	563	1,615 10	1,132 85	23 00	2,770 95	8, 4	Public, macadam.
Pilgrim road.....	Between Riverway and Francis street.	Roxbury.	12	94	678 56	157 75	15 81	852 12	6, 8	Public, gravel.
Orchard street.....	Between Orchard Park and Eustis street.	Roxbury.	12	214	797 40	263 17	5 50	1,066 07	4, 6	Public, macadam.
Montrose street.....	Between Moreland and Warren streets.	Roxbury.	12	835	2,240 36	2,029 64	88 41	4,358 41	4, 6	Public, macadam.
Locust street.....	From Buttonwood street.....	Dorchester.	12	153	372 77	213 88	17 25	603 90	6	Public, under construction.
Austin street.....	Between Chestnut and West streets.	Hyde Park.	12	335	928 25	392 06	46 00	1,366 31	6	Public, macadam.
West First street.....	Totals.....	.....	12	3,713	\$11,741 05	\$6,510 90	\$401 73	\$18,653 68		
	Between B and D streets.....	South Boston.	16	984	\$4,205 87	\$2,059 24	\$123 63	\$6,388 74	6, 8	Public, granite block and concrete base.

Cost of Relocation of Main Pipe.

STREET.	Location.	District.	Size (Inch.)	Feet.	Cost of Depart- ment Material, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Original Size. (Inch.)	Remarks.
Hanover street.....	At Court street.....	City Proper.	8	48	\$233 14	\$273 98	.....	\$507 12	12	Public, under construction.
Fayston street.....	Between Nos. 11 and 13.....	Roxbury.	8	25	74 07	58 09	.....	132 16	8	Public, macadam.
	Totals.....		8	73	\$307 21	\$332 07	.....	\$639 28		
Presentation road.....	Hunnewell avenue and Bellamy street.	Brighton.	10	329					10	Public, under construction.
Bellamy street.....	At Presentation road.....	Brighton.	8	125					8	Public, under construction.
Cambridge street.....	Between Grove and Joy streets..	City Proper.	12	621					12	
Joy street.....	At Cambridge street.....	City Proper.	8	18	\$136 69	\$993 75	\$40 25	\$1,170 69	8	
Auburn court.....	From Cambridge street.....	City Proper.	6	18					4	
South Russell street.....	At Cambridge street.....	City Proper.	8	17					8	
Garden street.....	At Cambridge street.....	City Proper.	8	29					6	
Cambridge street.....	Bulfinch and Hancock streets...	City Proper.	12	591	14,213 79	12,250 63	1,283 62	27,748 04	12	Public, under construction.
Cambridge street.....	Charles and Grove streets.....	City Proper.	12	562					12	
Bowdoin street.....	At Cambridge street.....	City Proper.	10	29					6, 10	
Temple street.....	At Cambridge street.....	City Proper.	8	20					8	
Ridgeway lanc.....	At Cambridge street.....	City Proper.	8	19					6	
Staniford street.....	At Cambridge street.....	City Proper.	16	12					16	

Lynde street.....	At Cambridge street.....	City Proper.	12	139						12
Chambers street.....	At Cambridge street.....	City Proper.	8	19						8
Blossom street.....	At Cambridge street.....	City Proper.	8	21						8
North Russell street.....	At Cambridge street.....	City Proper.	8	20						20
North Anderson street.....	At Cambridge street.....	City Proper.	10	20						20
North Grove street.....	At Cambridge street.....	City Proper.	8	21	14,213 79	12,250 63	1,283 62	27,748 04	8	Public, under construction.
Grove street.....	At Cambridge street.....	City Proper.	10	17					6	
Lindall place.....	At Cambridge street.....	City Proper.	6	17					6	
West Cedar street.....	At Cambridge street.....	City Proper.	10	32					10	
West Cedar street.....	At Cambridge street.....	City Proper.	12	24					10	
Cambridge street.....	Charles and Staniford street.....	City Proper.	12	18, 21						
Blue Hill avenue.....	Lawrence avenue and Gaston street.	Roxbury.	12	124	709 19	1,475 31	.....	2,184 50	12	Public, under construction.
West Selden street.....	Near Morton street.....	Dorchester.	21	17	1,924 00	2,413 00	.....	4,337 00	12	Public, macadam.
Savin Hill avenue.....	Dillingham and Rockdale streets,	Dorchester.	12	470	1,827 60	.....	182 56	2,010 16	12	Public, macadam.*
Rockdale street.....	Bay street and Savin Hill avenue,	Dorchester.	12	582	1,802 64	17 38	69 72	1,889 74	12	Public, macadam.†
	Totals.....		12	4,951	\$20,477 22	\$16,156 32	\$1,535 90	\$38,169 44		
Dorchester avenue.....	At Power street.....	South Boston.	16	190	\$698 50	\$255 88	.....	\$954 38	16	Public, granite block and concrete base.
Boston street.....	At New York, New Haven & Hartford Railroad Bridge.	South Boston.	16	41	251 05	223 38	.....	474 43	16	Public, granite block and concrete base.
	Totals.....		16	231	\$949 55	\$479 26	.....	\$1,428 81		

* Labor paid for by Boston Transit Department.

† Balance of labor paid for by Boston Transit Department.

WATERWORKS STATISTICS — CITY OF BOSTON.

FOR THE FISCAL YEAR ENDING DECEMBER 31, 1925.

DISTRIBUTION.

Mains.

Kind of pipe: Cast iron, wrought iron.
 Sizes: 2-inch to 48-inch.
 Extended, miles, 13.28.
 Sizes, enlarged, miles, 1.43.
 Total miles now in use, 914.03.
 Public hydrants added, 156.
 Public hydrants now in use, 10,300.
 Stop gates added, 276.
 Stop gates now in use, 13,932.
 Stop gates smaller than 4-inch, 33.
 Number of blow-offs, 717.
 Range of pressure on mains, 30 to 90 pounds.

Service.

Kind of pipe and size, lead and lead lined: $\frac{1}{2}$ -inch to $1\frac{1}{2}$ -inch cast iron.
 2-inch to 12-inch, wrought iron and cement lined: $\frac{3}{4}$ -inch to 2-inch.
 Extended, feet, 45,240 feet.
 Total miles now in use, 612.31 miles.
 Service taps added, 2,019.
 Total service taps now in use, 114,201.

High Pressure Fire System Extension, 1925.*

Appropriations to December 31, 1925.....				\$2,128,000 00
Expenditures to January 31, 1925.....			\$2,086,618 80	
Expenditures during the year 1925 (11 months):				
Extension:				
Engineering.....	\$3,171 78			
Automobiles.....	10 00			
Yard.....	1,124 62			
Inspection of pipe laying.....	459 28			
Vacations.....	69 04			
Tools and repairs.....	13 00			
Atlantic avenue.....	1,210 31			
Bowker street.....	393 47			
Broad street.....	70 03			
Canal street.....	6,590 71			
Chardon street.....	577 41			
Carried forward.....	\$13,689 65		\$2,086,618 80	\$2,128,000 00

* For further expenditures on account of High Pressure Fire Service during 1925, see expenditures under appropriation for Extension of Water Mains.

High Pressure Fire System Extension, 1925.—*Concluded.**

Brought forward.....	\$13,689 65		\$2,086,618 80	\$2,128,000 00
Chatham street.....	1,039 51			
Commerce street.....	865 78			
Congress street.....	44 28			
Custom House street.....	752 73			
Doane street.....	238 71			
Fleet street.....	359 29			
Hanover street.....	2,142 80			
Hawkins street.....	1,184 56			
India street.....	191 69			
Kilby street.....	6,735 54			
Kingston street.....	184 04			
Kneeland street.....	607 41			
North street.....	1,169 68			
Post Office square.....	262 32			
South street.....	226 21			
State street.....	217 47			
Summer street.....	11 00			
Washington street.....	416 10			
	<u>\$30,338 77</u>			
Less overcharges:				
Milk street.....	\$336 19			
Sudbury street.....	41 17			
Union street.....	196 02			
	<u>573 38</u>			
Total extension, 1925.....		\$29,765 39		
Maintenance:				
Main pipe repairs.....	\$204 37			
Hydrant repairs.....	1,312 64			
Bridge service.....	765 13			
Total maintenance, 1925.....		2,282 14		
Stock purchased.....		8,271 68		
Total expenditures, 1925.....			40,319 21	
Total expenditures to December 31, 1925.....				2,126,938 01
Balance unexpended December 31, 1925.....				<u>\$1,061 99</u>

*For further expenditures on account of High Pressure Fire Service during 1925, see expenditures under appropriations for Extension of Water Mains.

APPENDIX F.

REPORT OF THE BOSTON AND CAMBRIDGE
BRIDGE COMMISSION.

To the Honorable the Mayor;

SIR,—As Commissioner for the City of Boston, I respectfully submit herewith the annual report of the Boston and Cambridge Bridge Commission for the year ending December 31, 1925.

The commission is composed of two members, one appointed by the Mayor of the City of Boston and the other by the Mayor of the city of Cambridge, under provisions of chapter 467, Acts of 1898.

The commission has charge of the maintenance of the following-named bridges between Boston and Cambridge: Anderson, Cambridge and Prison Point.

Cambridge Street Bridge, Western Avenue Bridge. Brookline Street Bridge at Cottage Farm and Harvard Bridge, are at present in the hands of the Metropolitan District Commission.

However, Cambridge Street Bridge, Western Avenue Bridge and Brookline Street Bridge, after construction has been completed, are to be placed back under the jurisdiction of the commission. The lighting bills on Brookline Street Bridge are now being paid by the commission.

As there is no separate appropriation made for the City of Boston's portion of the expenses of this commission, the same is taken from the appropriation for the Bridge and Ferry Division, Bridge Service. The amount expended during the fiscal year ending December 31, 1925, was \$19,309.12.

ANDERSON BRIDGE (OVER CHARLES RIVER).

The paving on the Anderson Bridge, which is wood block, on concrete base, has showed signs of disintegration and some repairs have been made to it. It is only a question of time when this paving will have to be relaid.

CAMBRIDGE STREET BRIDGE.

This bridge has been taken over by the Metropolitan District Commission for the purpose of rebuilding, under the Acts of 1921. The bridge is well advanced in construction. The plans, which have been approved by the Mayors of Boston and Cambridge, provide for a three arch reinforced concrete bridge.

CAMBRIDGE BRIDGE OVER CHARLES RIVER. CLEANING AND PAINTING.

A contract was approved June 25, 1925, with the Richard T. Green Company for the cleaning and painting of the steel work of Cambridge Bridge, over the Charles river. The total cost of the labor for cleaning and painting was \$27,750; one half of which was paid by the city of Cambridge and one half by the City of Boston. The metal was cleaned by wire brushes and in some places chisels and hammers were needed to remove the scaling.

The work was done under the direction of the Boston and Cambridge Bridge Commission.

The commission furnished the paint; the patchwork was of red lead. The paint on the fence was a lithopone paint costing \$2.75 per gallon.

The paint on the rest of the structure was a paint with about 64 per cent pigment and 36 per cent vehicle. The pigment analysis was stated to be: 60 per cent sulphated white lead, 25 per cent zinc oxide, 5 per cent graphite, 10 per cent asbestine and silicon. The vehicle was linseed oil with a very little thinner. This cost \$2.50 per gallon delivered on the job.

The masonry of the towers, all of which leaked badly, was painted and cleaned.

Considerable repair work was done on the bases and tops of the lamps during the year.

PRISON POINT BRIDGE.

This bridge was entirely resheathed and considerable patching and other repairs made during the year. Some painting has been done on the steel work.

Respectfully submitted,

JOSEPH A. ROURKE,
Commissioner for the City of Boston.

Boston and Cambridge Bridges, Expenditures for the Year 1925 (Eleven Months).
Being the Portion Paid by the City of Boston, Which is One Half of the Total Expenditure.

	Administration.	Anderson Bridge.	Cambridge Street-River Street Bridge.	Cambridge Bridge.	Essex Street-Brookline Street Bridge.	Harvard Bridge.	Prison Point Bridge.	Totals.
Salaries.....	\$229 16	\$365 97	\$1,134 08	\$2,583 42	.....	.....	\$6,157 56	\$10,470 19
Inspection.....	.....	38 00	54 00	178 00	.....	.....	286 00	556 00
Repairs.....	.....	.....	179 48	1,943 03	.....	.....	3,028 18	5,150 69
Lumber.....	.....	.....	32 00	14 90	.....	.....	741 87	788 77
Light.....	.....	415 55	4 26	1,399 74	\$192 25	\$52 25	5 17	2,069 22
Fuel.....	.....	.....	.....	.....	.....	.....	24 75	24 75
Supplies.....	.....	2 62	19 74	72 88	.....	2 29	58 84	156 37
Printing and stationery.....	31 18	.....	.....	.....	.....	.....	.....	31 18
Telephone and traveling expenses.....	61 95	.....	.....	.....	.....	.....	.....	61 95
Advertising.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	\$322 29	\$822 14	\$1,423 56	\$6,191 97	\$192 25	\$54 54	\$10,302 37	\$19,309 12

**Monthly Summary of Draw Openings, Boston and Cambridge
Bridges, February 1, 1925, to December 31, 1925.**

	PRISON POINT BRIDGE.		
	Vessels.	Cargoes.	Openings.
February.....	0	0	0
March.....	6	1	4
April.....	0	0	0
May.....	0	0	0
June.....	6	1	4
July.....	15	3	10
August.....	3	0	2
September.....	15	3	10
October.....	3	0	2
November.....	0	0	0
December.....	0	0	0
Totals.....	48	8	32

1925.

Bridges, Repairs, etc., Cleaning and Painting Cambridge Bridge.

*Being the Portion Paid by the City of Boston, Which is One Half of the
Total Expenditure.*

R. T. Green Company	\$13,875 00
Maurice M. Devine	1,942 84
Pierce Company, Inc.,	221 17
Paint	4,871 29
Material furnished by Transit Department	78 87
Analysis of paint	42 50
Salaries of engineers and mechanics	183 90
Car fares	28 80
Advertising	4 75
	<u>\$21,249 12</u>

Annual Summary of Draw Openings, Boston and Cambridge Bridges, February 1, 1925, to December 31, 1925.

BRIDGE.	TUGS.			BARGES.			ALL OTHERS.			TOTAL VESSELS.			CARGOES.	Openings.
	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.		
Prison Point.....	32	0	32	16	0	16	0	0	0	48	0	48	8	32
Totals.....	32	0	32	16	0	16	0	0	0	48	0	48	8	32

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